

APPENDIX E—COMMUNICATION EQUIPMENT DATA SHEETS

COMMUNICATION EQUIPMENT DATA SHEETS

General

Name

*Communications-Applied Technology; AWIS
Portable Radio*

ID# 1



Model Number(s)

AWIS

Technology

Portable, Digital DSSS TOMA

Manufacturer

Communications-Applied Technology
11250-14 Roger Bacon Drive
Reston, Virginia 20190-5202
800-229-3925 (Tel)
703-481-0068 (Tel)

Secure Communication Capability

Yes, with accessory

Availability

90 d after receipt of order

Frequency Range

2400 MHz to 2483 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Hazardous materials response teams, explosive ordnance disposal teams, medical triage teams, NASA ground and flight programs, and fixed and rotary wing air crews
www.c-at.com

Source

Operational Parameters

Number of Channels

11 preprogrammed channels, 2402 channels through 2482 channels on 8 MHz increments, 5 nonoverlapping channels on 16 MHz increments, and 3 nonoverlapping channels on 24 MHz increments

Transmitter Power Output Levels

Portable radios: +17 dBm (optional +19 and +14)

Battery Options

Plug-in module battery packs (8, single-use, AA alkaline batteries, or NiMH rechargeable)

Battery Recharging Options

Portable radio: single or 4-station "smart" charger

Physical Parameters

Size

Portable radio with AA battery pack: 4 in x 9 in x 1 in

Weight

Portable: 1.8 lb (with batteries)

Power Requirements

Portable radio: 6.45 V and 300 mA

External Power	10 V to 24 V or 17 V dc to 31 V dc; 115 V ac, 60 Hz; 220 V, 50 Hz
<u>Available Accessories</u>	
Speaker-Microphones	Yes
Carrying Cases	Yes
Battery Eliminators	Yes (repeater)
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Frequency, time slot, and group identifier by dip switch
Repairs	Manufacturer
Decontamination	No (portable radios worn inside PPE)
Durability/Ruggedness	Portable radios are installed in heavy gauge aluminum chassis with welded corners with rugged 1050 denier ballistic housings
Environmental Conditions	-30 °F to 120 °F
Unit Cost	\$2.2K portable radio
Battery Cycle Life	Portable radios: 6 h
Rapid Charge Battery Cycle Life	Not specified
Maintenance Cost	Less than \$100/yr
Interface Capability	Yes, LMR/cellular phone/wired intercom
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	“Plug and go” compatible and interchangeable with lightweight headsets/boom microphones for “plastic suit” work, or hearing protector headsets
Warranty	1 yr
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	Intrinsically Safe Class 1, Division 1, Groups C, and D (USAF Safety Directorate)

General

Name Communications-Applied Technology; DWIS
Portable Repeater System

ID# 2



Model Number(s)

DWIS

Technology

Repeater, Digital DSSS TOMA

Manufacturer

Communications-Applied Technology
11250-14 Roger Bacon Drive
Reston, Virginia 20190-5202
800-229-3925 (Tel)
703-481-0068 (Tel)

Secure Communication Capability

Yes, with accessory

Availability

90 d after receipt of order

Frequency Range

2400 MHz to 2483 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Hazardous materials response teams, Explosive Ordnance Disposal Teams, medical triage teams, NASA ground and flight programs, and fixed and rotary wing air crews

Source

www.c-at.com

Operational Parameters

Number of Channels

11 preprogrammed channels, 2402 channels through 2482 channels on 8 MHz increments, 5 nonoverlapping channels on 16 MHz increments, and 3 nonoverlapping channels on 24 MHz increments

Transmitter Power Output Levels

Repeater: +19 dBm; portable radios

Battery Options

Plug-in module battery packs (8, single-use, AA alkaline batteries, or NiMH rechargeable), external SLA, dc, and ac

Battery Recharging Options

Repeater: built-in "smart" charger; portable radio: single or 4-station "smart" charger

Physical Parameters

Size


Repeater: 12 in x 12 in x 3.5 in
Repeater with SLA battery and charger: 13.75 in x 12 in x 3.5 in

Weight

Repeater with SLA battery and charger: 7.2 lb

Power Requirements	Repeater: 12 V dc, 1 A; portable radio: 6.45 V and 300 mA
External Power	External SLA, dc, and ac
<u>Available Accessories</u>	
Speaker-Microphones	Yes
Carrying Cases	Yes
Battery Eliminators	Yes (repeater)
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Frequency, time slot, and group identifier by dip switch
Repairs	Manufacturer
Decontamination	No (portable radios worn inside PPE)
Durability/Ruggedness	Portable radios are installed in heavy gauge aluminum chassis with welded corners with rugged 1050 denier ballistic housings
Environmental Conditions	-30 °F to 120 °F
Unit Cost	\$7K portable repeater
Battery Cycle Life	Repeaters: 4 h
Rapid Charge Battery Cycle Life	2 yr
Maintenance Cost	Less than \$100/yr
Interface Capability	Yes, LMR/cellular phone/wired intercom
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	“Plug and go” compatible and interchangeable with lightweight headsets/boom microphones for “plastic suit” work, or hearing protector headsets
Warranty	1 yr
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	No

General

Name	Communications-Applied Technology; QB Series: QB-3S, QB-3S/IS QB-3R Portable Radios
ID# 3	
Model Number(s)	QB-3S, QB-3S/IS/ QB-3R; QB-3 Series portable radio (shown outside PPE for visibility)
Technology	Portable, conventional
Manufacturer	Communications-Applied Technology 11250-14 Roger Bacon Drive Reston, Virginia 20190-5202 800-229-3925 (Tel) 703-481-0068 (Tel)
Secure Communication Capability	No
Availability	90 d after receipt of order
Frequency Range	150 MHz to 220 MHz
Number of Personnel Supported by System	Unlimited
Geographic Coverage	Not applicable
Current User(s)	Army chemical munitions storage/demilitarization sites, military and commercial nuclear power generating plants, military base and municipal hazmat teams, medical triage teams, and NASA ground and flight programs
Source	www.c-at.com
<u>Operational Parameters</u>	
Number of Channels	Not specified
Transmitter Power Output Levels	Portable radios: +17 dBm (optional +20 and +14)
Battery Options	NiCad or 2 9 V alkaline or 6 AA alkaline
Battery Recharging Options	Wall "wart" or "smart" charger
<u>Physical Parameters</u>	
Size	Not specified
Weight	Portable: 1.8 lb (with batteries)
Power Requirements	Portable radio: 6.45 V, 100 mA
External Power	None
<u>Available Accessories</u>	
Speaker-Microphones	No

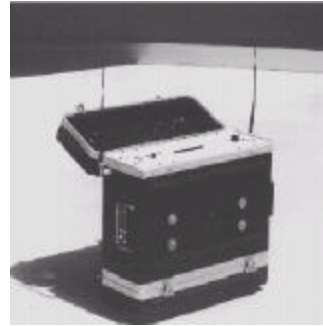
Carrying Cases	Yes
Battery Eliminators	Yes (repeater)
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	No
Repairs	Manufacturer
Decontamination	No (portable radios worn inside PPE)
Durability/Ruggedness	Portable radios are installed in heavy gauge aluminum chassis with welded corners with rugged 1050 denier ballistic housings. Used in more than 100000 h of Level A entries.
Environmental Conditions	-30 °F to 120 °F
Unit Cost	\$7K portable repeater \$2K portable radio
Battery Cycle Life	Repeater and portable radios: 6 h
Rapid Charge Battery Cycle Life	Not specified
Maintenance Cost	Less than \$100/yr
Interface Capability	Yes, LMR/cellular phone/wired intercoms
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	“Plug and go” compatible and interchangeable with lightweight headsets/boom microphones, throat microphones for “plastic suit” work, or hearing protector headsets
Warranty	1 yr
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	Intrinsically Safe Versions available - Class 1, Division 1, Groups A, B, C, and D (FRMC)

General

Name

Communications-Applied Technology; QB Series Repeater; Portable Repeater Systems

ID# 4



Model Number(s)

MDL

Technology

Repeater, conventional

Manufacturer

Communications-Applied Technology
11250-14 Roger Bacon Drive
Reston, Virginia 20190-5202
800-229-3925 (Tel)
703-481-0068 (Tel)

Secure Communication Capability

No

Availability

90 d after receipt of order

Frequency Range

150 MHz to 220 MHz

Number of Personnel Supported by System

Unlimited, 8 in duplex mode

Geographic Coverage

Not applicable

Current User(s)

Army chemical munitions storage/demilitarization sites, military and commercial nuclear power generating plants, military base and municipal hazmat teams, medical triage teams, and NASA ground and flight programs
www.c-at.com

Source

Operational Parameters

Number of Channels

Not specified

Transmitter Power Output Levels

Repeater: +20 dBm

Battery Options

SLA, external dc

Battery Recharging Options

Wall "wart" or "smart" charger

Physical Parameters

Size

Repeater: 19 in x 22 in x 10 in (transportable, molded plastic case); portable: 12 in x 4 in x 0.75 in (flexible/body-conforming)

Weight

Repeater: 35 lb (including SLA battery)

Power Requirements

Repeater: 12 V dc, 1 A

External Power

12 V dc to 24 V dc, 115 V ac 60 Hz

Available Accessories

Speaker-Microphones

No

Carrying Cases	Yes
Battery Eliminators	Yes (repeater)
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	No
Repairs	Manufacturer
Decontamination	No (portable radios worn inside PPE)
Durability/Ruggedness	Portable radios are installed in heavy gauge aluminum chassis with welded corners with rugged, 1050 denier ballistic housings. Used in more than 100000 h of Level A entries.
Environmental Conditions	-30 °F to 120 °F
Unit Cost	\$7K portable repeater
Battery Cycle Life	Repeater and portable radios: 6 h
Rapid Charge Battery Cycle Life	Not specified
Maintenance Cost	Less than \$100/yr
Interface Capability	Yes, LMR/cellular phone/wired intercoms
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	“Plug and go” compatible and interchangeable with lightweight headsets/boom microphones, throat microphones for “plastic suit” work, or hearing protector headsets
Warranty	1 yr
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	Intrinsically Safe Versions available - Class 1, Division 1, Groups A, B, C, and D (FRMC)

General

Name

EDACSä LPE-200ä Portable 800 MHz, 900 MHz

ID# 5



Model Number(s)

LPE-200™

Technology

Portable, conventional and trunked

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

Secure Communication Capability

Encryption available for 800 MHz only

Availability

Available

Frequency Range

800 MHz: 806 MHz to 825 MHz, 851 MHz to 870 MHz
900 MHz: 896 MHz to 901 MHz, 935 MHz to 940 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Transmission can travel 10 mi or more

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Up to 800 different trunked system/group combinations and up to 200 conventional channels

Transmitter Power Output Levels

800 MHz: 0.5 W to 3 W trunked; 1 W to 2 W talk around
900 MHz: 0.5 W to 2 W trunked; 2 W talk around

Battery Options

High and extra high capacity

Battery Recharging Options

Vehicular charger, desk and wall chargers

Physical Parameters

Size

5.7 in x 2.6 in x 1.7 in (with high capacity battery)

Weight

20.8 oz (with high capacity battery)

Power Requirements

7.5 V dc (nominal)

External Power

No

Available Accessories

Speaker-Microphones

Remote microphone, headset, and earpiece

Carrying Cases

Cases, belt loops, and swivel mounts

Battery Eliminators

Not specified

Vehicle Adapters

Has vehicle adapter

Logistical Parameters

Programming

Dealer/User (authorized technician) programmable - PC friendly

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Shock: 1 m drop (per EIA/TIA-603)
Vibration: 5 G (per U.S. Forest Service)

Environmental Conditions

-22 °F to 140 °F
90 % @ 122 °F relative humidity

Unit Cost

Not specified

Battery Cycle Life

Battery life @ 5/5/90: high capacity battery - 8 h; low capacity battery - 9 h

Rapid Charge Battery Cycle Life

Not specified

Maintenance Cost

Not specified

Interface Capability

Digital technology

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

FCC Type Acceptance No: AXATR-336-A and AXATR-357-A2, Industry Canada (RSS-119) 287-194-340-NA, TR-357

Support Equipment

Headset, earpiece, remote microphones, PC programming software and cables, subminiature surveillance accessories, cases, straps, belt loops and swivel mounts, desk and wall chargers, and vehicular charger

Warranty

Not specified

Mil Spec/Mil-Std Ratings

Meets Mil Spec 810E, equivalent to Mil-Std 810C and Mil-Std D

Intrinsically Safe

No

General

Name

EDACSä M-RKä Aegisä Portable VHF, UHF, 800 MHz

ID# 6



Model Number(s)

M-RK I

Technology

Portable, conventional

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

Encryption, Improved MultiBand Excitation (IMBE) vocoder, DES, Aegis™ DES, and Aegis VGE encryption are available encryption also available

Availability

Available

Frequency Range

VHF: 136 MHz to 160 MHz, 150 MHz to 174 MHz
UHF: 403 MHz to 430 MHz, 440 MHz to 470 MHz
800: 806 MHz to 824 MHz, 851 MHz to 869 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Not specified

Transmitter Power Output Levels

VHF: 0.5 W to 5 W, 0.5 W to 6 W
UHF: 0.5 W to 5 W
800: 0.5 W to 3 W

Battery Options

Medium, high, extra high capacity

Battery Recharging Options

Single and multiple unit desk-style chargers and vehicular chargers

Physical Parameters

Size

M-RK I: 7 in x 2.7 in x 1.6 in (less battery, knobs, and antenna)

Weight

M-RK I: 8.8 oz (less battery)

Power Requirements	7.5 V dc (nominal)
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker microphone
Carrying Cases	Carry case
Battery Eliminators	Not specified
Vehicle Adapters	Yes, available in standard and enhanced models
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Shock: 3 ft drop (per EIA) Vibration: 5 gravity (G) (per U.S. Forest Service) Altitude: (operational, 15000 ft; in transit, and 50000 ft)
Environmental Conditions	-22 °F to 140 °F 90 % @ 122 °F relative humidity
Unit Cost	Not specified
Battery Cycle Life	Equal to or greater than 8 h
Rapid Charge Battery Cycle Life	No
Maintenance Cost	Not specified
Interface Capability	Aegis digital voice technology, PC programming software
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Type Acceptance, Industry Canada Certification, and Applicable Industry Canada Rules
Support Equipment	Earpiece, remote microphones, subminiature surveillance accessories, leather cases, belt loops, swivel mounts, and PC programming software and cables. Single and multiple unit desk-style chargers and two types of vehicular chargers.
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E
Intrinsically Safe	Intrinsically safe options and accessories are pending

General

Name	EDACSä M-RKä Aegisä Portable VHF, UHF, 800 MHz
ID# 7	
Model Number(s)	M-RK II
Technology	Portable, conventional
Manufacturer	Com-Net Ericsson Critical Radio Systems, Inc. P.O. Box 2000 Lynchburg, Virginia 24501 800-431-2345 (Tel) www.com-netericsson.com
Secure Communication Capability	POC: John Hobbs 804-385-2336 (Tel) Encryption, Improved MultiBand Excitation (IMBE) vocoder, DES, Aegis™ DES, and Aegis VGE encryption are available encryption also available
Availability	Available
Frequency Range	VHF: 136 MHz to 160 MHz, 150 MHz to 174 MHz UHF: 403 MHz to 430 MHz, 440 MHz to 470 MHz 800: 806 MHz to 824 MHz, 851 MHz to 869 MHz
Number of Personnel Supported by System	Unlimited
Geographic Coverage	Not specified
Current User(s)	Not specified
Source	Com-Net Ericsson
<u>Operational Parameters</u>	
Number of Channels	Not specified
Transmitter Power Output Levels	VHF: 0.5 W to 5 W, 0.5 W to 6 W UHF: 0.5 W to 5 W 800: 0.5 W to 3 W
Battery Options	Medium, high, extra high capacity
Battery Recharging Options	Single and multiple unit desk-style chargers and vehicular chargers
<u>Physical Parameters</u>	
Size	M-RK II/M-RK II Scan: 4 in x 2.7 in x 1.6 in (less battery, knobs, and antenna)
Weight	M-RK II/M-RK II Scan: (less battery) 10 oz



Power Requirements	7.5 V dc (nominal)
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker microphone
Carrying Cases	Carry case
Battery Eliminators	Not specified
Vehicle Adapters	Yes, available in standard and enhanced models
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Shock: 3 ft drop (per EIA) Vibration 5 G (per U.S. Forest Service) Altitude: (operational, 15000 ft; in transit, 50000 ft)
Environmental Conditions	-22 °F to 140 °F 90 % @ 122 °F relative humidity
Unit Cost	Not specified
Battery Cycle Life	Equal to or greater than 8 h
Rapid Charge Battery Cycle Life	No
Maintenance Cost	Not specified
Interface Capability	Aegis digital voice technology, PC programming software
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Type Acceptance, Industry Canada Certification, and Applicable Industry Canada Rules
Support Equipment	Earpiece, remote microphones, subminiature surveillance accessories, leather cases, belt loops, swivel mounts, and PC programming software and cables. Single and multiple unit desk-style chargers and two types of vehicular chargers.
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E
Intrinsically Safe	Intrinsically safe options and accessories are pending

General

Name

EDACSä M-RKä Aegisä Portable VHF, UHF, 800 MHz

ID# 8



Model Number(s)

M-AK II SCAN

Technology

Portable, Conventional

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

Encryption, Improved MultiBand Excitation (IMBE) vocoder, DES, Aegis™ DES, and Aegis VGE encryption are available encryption also available

Availability

Available

Frequency Range

VHF: 136 MHz to 160 MHz, 150 MHz to 174 MHz
UHF: 403 MHz to 430 MHz, 440 MHz to 470 MHz
800: 806 MHz to 824 MHz, 851 MHz to 869 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Not specified

Transmitter Power Output Levels

VHF: 0.5 W to 5 W, 0.5 W to 6 W
UHF: 0.5 W to 5 W
800: 0.5 W to 3 W

Battery Options

Medium, high, extra high capacity

Battery Recharging Options

Single and multiple unit desk-style chargers and vehicular chargers

Physical Parameters

Size

M-RK II/M-RK II Scan: 4 in x 2.7 in x 1.6 in (less battery, knobs, and antenna)

Weight	M-RK II/M-RK II Scan: (less battery) 10 oz
Power Requirements	7.5 V dc (nominal)
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker microphone
Carrying Cases	Carry case
Battery Eliminators	Not specified
Vehicle Adapters	Yes, available in standard and enhanced models
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Shock: 3 ft drop (per EIA) Vibration 5 G (per U.S. Forest Service) Altitude: (operational, 15000 ft; in transit, 50000 ft)
Environmental Conditions	-22 °F to 140 °F 90 % @ 122 °F relative humidity
Unit Cost	Not specified
Battery Cycle Life	Equal to or greater than 8 h
Rapid Charge Battery Cycle Life	No
Maintenance Cost	Not specified
Interface Capability	Aegis digital voice technology and PC programming software
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Type Acceptance, Industry Canada Certification, and Applicable Industry Canada Rules
Support Equipment	Earpiece, remote microphones, subminiature surveillance accessories, leather cases, belt loops, swivel mounts, and PC programming software and cables. Single and multiple unit desk-style chargers and two types of vehicular chargers.
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E
Intrinsically Safe	Intrinsically safe options and accessories are pending

General

Name

ProVoice ä Jaguar ä 700P, 800 MHz

ID# 9



Model Number(s)

Jaguar 700P

Technology

Portable, conventional and trunked

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

Secure Communication Capability

POC: John Hobbs
804-385-2336 (Tel)
Encryption, Improved MultiBand Excitation (IMBE) vocoder, DES, Aegis™ DES, and Aegis VGE encryption are available encryption also available

Availability

Available

Frequency Range

806 MHz to 825 MHz, 851 MHz to 870 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Transmission can travel 10 mi or more

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Up to 200 conventional channels and up to 800 different trunked system/group combinations

Transmitter Power Output Levels

Rated RF Power: trunked 1, 3, 0.5-3 (auto mode)
Rated RF Power: talk around 1, 3

Battery Options

NiCad, NiMh

Battery Recharging Options

Desk and wall chargers

Physical Parameters

Size

6.75 in x 2.58 in x 1.79 in with battery

Weight

26 oz

Power Requirements

7.5 V dc (nominal)

External Power

No

Available Accessories

Speaker-Microphones

Speaker microphone

Carrying Cases

Carry case

Battery Eliminators

Not specified

Vehicle Adapters

In development

Logistical Parameters

Programming

Dealer/User (authorized)

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Shock: 6 ft drop (per EIA)

Vibration 5 G (per U.S. Forest Service)

Altitude: (operational, 15000 ft; in transit, 50000 ft)

Environmental Conditions

NiCad: -22 °F to 140 °F; NiMH: 14 °F to 122 °F

90 % @ 122 °F relative humidity

Unit Cost

Not specified

Battery Cycle Life

NiCad: 9 h (5/5/90); NiMH: 11 h (5/5/90)

Rapid Charge Battery Cycle Life

No

Maintenance Cost

Not specified

Interface Capability

Yes

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

FCC Type Acceptance Number (Pending), Industry

Canada Certification Number (Pending)

Support Equipment

Headset, earpiece, speaker microphones, PC programming software and cables, subminiature surveillance accessories, cases, straps, belt loops and swivel mounts, and desk and wall chargers

Warranty

Not specified

Mil Spec/Mil-Std Ratings

Meets Mil Spec 810E

Intrinsically Safe

Intrinsically safe options and accessories are pending

General

Name

*ComNet Ericsson Jaguar Transceiver, Portable;
Jaguar 700P, 800 MHz*

ID# 10



Model Number(s)

EDACS, Jaguar 700P

Technology

Portable, conventional and trunked

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs

804-385-2336 (Tel)

Secure Communication Capability

Yes, built-in encryption security

Availability

Available

Frequency Range

806 MHz to 825 MHz, 851 MHz to 870 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Transmission can travel 10 mi or more

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Up to 200 conventional channels

Transmitter Power Output Levels

Rated RF Power: trunked 1, 3, 0.5-3 (auto mode)
Rated RF Power: talk around 1, 3

Battery Options

NiCad, NiMh

Battery Recharging Options

Desk and wall chargers

Physical Parameters

Size

6.75 in x 2.58 in x 1.79 in with battery

Weight

26 oz

Power Requirements

7.5 V dc (nominal)

External Power

No

Available Accessories

Speaker-Microphones

Speaker microphone

Carrying Cases	Carry case
Battery Eliminators	Not specified
Vehicle Adapters	In development
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Shock: 6 ft drop (per EIA) Vibration 5 G (per U.S. Forest Service) Altitude: (operational, 15,000 ft; in transit, 50000 ft)
Environmental Conditions	NiCad: -22 °F to 140 °F; NiMH: 14 °F to 122 °F 90 % @ 122 °F relative humidity
Unit Cost	Greater than \$1K
Battery Cycle Life	NiCad: 9 h (5/5/90); NiMH: 11 h (5/5/90)
Rapid Charge Battery Cycle Life	No
Maintenance Cost	Not specified
Interface Capability	Yes
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Type Acceptance Number (Pending), Industry Canada Certification Number (Pending)
Support Equipment	Headset, earpiece, speaker microphones, PC programming software and cables, subminiature surveillance accessories, cases, straps, belt loops and swivel mounts, and desk and wall chargers
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E
Intrinsically Safe	Intrinsically safe options and accessories are pending

General

Name

**ComNet Ericsson M-RK™ Analog Portable,
M-RK I**

ID# 11



Model Number(s)

M-RK I

Technology

Portable, conventional and trunked

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

UHF: 403 MHz to 430 MHz
VHF: 136 MHz to 174 MHz
800 MHz: 806 MHz to 824 MHz, 851 MHz to 869 MHz

Number of Personnel Supported by System

Multiple

Geographic Coverage

Transmission can travel 10 miles or more

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Multi-channel dependent on control system

Transmitter Power Output Levels

VHF: 0.5 W to 5 W, 0.5 W to 6 W
UHF: 0.5 W to 5 W
800 MHz: 0.5 W to 3 W

Battery Options

Medium, high, and extra high

Battery Recharging Options

Single and multiple unit desk-style chargers and two types of vehicular chargers

Physical Parameters

Size

4 in x 2.7 in x 1.2 in (without battery)

Weight

8 oz (without battery)

Power Requirements

7.5 V dc

External Power

No

Available Accessories

Speaker-Microphones

Remote microphone, and earpieces

Carrying Cases

Leather cases, belt loops, and swivel mounts

Battery Eliminators

Not specified

Vehicle Adapters

Yes

Logistical Parameters

Programming

Dealer/User (authorized technician) programmable -
PC friendly

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Shock: 1 m drop (per EIA/TIA-603)
Vibration: 5 G (per U.S. Forest Service)

Environmental Conditions

-22 °F to 140 °F
90 % @ 122 °F relative humidity

Unit Cost

Greater than \$500 but less than \$1K

Battery Cycle Life

Equal to or greater than 8 h

Rapid Charge Battery Cycle Life

Not specified

Maintenance Cost

Not specified

Interface Capability

Capable of digital communications with an adapter

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

Not specified

Support Equipment

Logically positioned LCD indicators provide easy-read operation. Battery chargers, earpieces, remote microphones, subminiature surveillance accessories, leather cases, belt loops, swivel mounts, and PC programming software and cables.

Warranty

Not specified

Mil Spec/Mil-Std Ratings

Meets Mil Spec 810C, Mil Spec 810D, and
Mil Spec 810E

Intrinsically Safe

No

General

Name

**ComNet Ericsson M-RK™ Analog Portable,
M-RK II**

ID# 12



Model Number(s)

M-RK II

Technology

Portable, conventional and trunked

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

Secure Communication Capability

POC: John Hobbs
804-385-2336 (Tel)

Availability

Yes

Frequency Range

Available

Number of Personnel Supported by System

UHF: 403 MHz to 430 MHz
VHF: 136 MHz to 174 MHz
800 MHz: 806 MHz to 824 MHz, 851 MHz to 869 MHz
470 MHz to 500 MHz
Multiple

Geographic Coverage

Transmission can travel 10 mi or more

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Multi-channel dependent on control system

Transmitter Power Output Levels

VHF: 0.5 W to 5 W, 0.5 W to 6 W
UHF: 0.5 W to 5 W
800 MHz: 0.5 W to 3 W

Battery Options

Medium, high, and extra high

Battery Recharging Options

Single and multiple unit desk-style chargers and two types of vehicular chargers

Physical Parameters

Size

4 in x 2.7 in x 1.6 in (without battery)

Weight

10 oz (without battery)

Power Requirements

7.5 V dc

External Power

No

Available Accessories

Speaker-Microphones

Remote microphone, and earpieces

Carrying Cases

Leather cases, belt loops, and swivel mounts

Battery Eliminators

Not specified

Vehicle Adapters

Yes

Logistical Parameters

Programming

Dealer/User (authorized technician) programmable -
PC friendly

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Shock: 1 m drop (per EIA/TIA-603)
Vibration: 5 G (per U.S. Forest Service)
Altitude: 15000 ft operational

Environmental Conditions

-22 °F to 140 °F
90 % @ 122 °F relative humidity

Unit Cost

Greater than \$K per unit

Battery Cycle Life

Greater than 8 h

Rapid Charge Battery Cycle Life

Not specified

Maintenance Cost

Not specified

Interface Capability

Capable of digital transmissions with an adapter

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

Not specified

Support Equipment

Features a full system keypad and provides access to system and radio features including individual calls, scan, and menu select. Battery chargers, earpieces, remote microphones, subminiature surveillance accessories, leather cases, belt loops, and swivel mounts.

Warranty

Not specified

Mil Spec/Mil-Std Ratings

Meets Mil Spec 810C, MIL Spec 810D, and
Mil Spec 810E

Intrinsically Safe

No

General

Name

***ComNet Ericsson M-RK™ Analog Portable,
M-RK II Scan***

ID# 13



Model Number(s)

M-RK II Scan

Technology

Portable, conventional and trunked

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

Secure Communication Capability

POC: John Hobbs

804-385-2336 (Tel)

Availability

Yes

Available

Frequency Range

UHF: 403 MHz to 430 MHz

VHF: 136 MHz to 174 MHz

800 MHz: 806 MHz to 824 MHz, 851 MHz to 869 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Transmission can travel 10 mi or more

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Multi-channel dependent on control system

Transmitter Power Output Levels

VHF: 0.5 W to 5 W, 0.5 W to 6 W

UHF: 0.5 W to 5 W

800 MHz: 0.5 W to 3 W

Battery Options

Medium, high, and extra high

Battery Recharging Options

Single and multiple unit desk-style chargers and two types of vehicular chargers

Physical Parameters

Size

4 in x 2.7 in x 1.6 in (without battery)

Weight

8 oz (without battery)

Power Requirements

7.5 V dc

External Power

No

Available Accessories

Speaker-Microphones

Remote microphone, and earpieces

Carrying Cases

Leather cases, belt loops, and swivel mounts

Battery Eliminators

Not specified

Vehicle Adapters

Yes

Logistical Parameters

Programming

Dealer/User (authorized technician) programmable -
PC friendly

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Shock: 1 m drop (per EIA/TIA-603)
Vibration: 5 G (per U.S. Forest Service)

Environmental Conditions

-22 °F to 140 °F
90 % @ 122 °F relative humidity

Unit Cost

Greater than \$1K

Battery Cycle Life

Greater than 8 h

Rapid Charge Battery Cycle Life

Not specified

Maintenance Cost

Not specified

Interface Capability

Capable of digital communications with an adapter

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

Not specified

Support Equipment

Features a six-button keypad and provides access to scan and menu select features. A slanted dot matrix LCD can be read easily when worn on the user's hip. Battery chargers, earpieces, remote microphones, subminiature surveillance accessories, and leather cases.

Warranty

Not specified

Mil Spec/Mil-Std Ratings

Meets Mil Spec 810C, Mil Spec 810D, and
Mil Spec 810E

Intrinsically Safe

No

General

Name

ComNet Ericsson Repeater; MASTR III

ID# 14

Picture Not Available

Model Number(s)

MASTR III

Technology

Repeater, conventional or trunking

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Not specified

Transmitter Power Output Levels

9 W to 18 W

Battery Options

Limited options

Battery Recharging Options

Not specified

Physical Parameters

Size

17 in x 21 in x 7.5 in

Weight

35 lb (without cables)

Power Requirements

13.8 V dc

External Power

Yes

Available Accessories

Speaker-Microphones

Yes

Carrying Cases

Yes

Battery Eliminators

Not specified

Vehicle Adapters

Not applicable

Logistical Parameters

Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Rugged use
Environmental Conditions	Not specified
Unit Cost	Greater than \$1K
Battery Cycle Life	Not specified
Rapid Charge Battery Cycle Life	Not specified
Maintenance Cost	Not specified
Interface Capability	Capable of digital transmissions without an adapter

Special Requirements

Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	Available
Warranty	Not specified
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	No

General

Name

ComNet Ericsson Orion Mobile Radio

ID# 15



Model Number(s)

Orion

Technology

VHF and UHF

Manufacturer

Mobile, conventional and trunked

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

Secure Communication Capability

POC: John Hobbs

804-385-2336 (Tel)

Encryption using either the DES or proprietary VGE algorithm

Availability

Available

Frequency Range

VHF: 136 MHz to 153 MHz, 150 MHz to 174 MHz

UHF: 403 MHz to 440 MHz, 440 MHz to 470 MHz
470 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

ComNet Ericsson

Operational Parameters

Number of Channels

EDACS System/group combinations: 800 channels and 192 conventional channels

Transmitter Power Output Levels

Watts are adjustable to 50 % of rated power

VHF: 50 W, 110 W

UHF: 40 W, 100 W (35 W, 80 W for 470 MHz to 512 MHz)

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

2 in x 6.9 in x 9.3 in

Weight

Not specified

Power Requirements

10.8 V dc to 16.6 V dc negative ground

External Power	Not applicable
<u>Available Accessories</u>	
Speaker-Microphones	Not applicable
Carrying Cases	Not applicable
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Construction: Control unit is high impact plastic transceiver is cast metal Weatherproof microphone with hookswitch
Environmental Conditions	-22 °F to 140 °F @ 90 % 50° relative humidity
Unit Cost	Greater than \$1K
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Field programmable using an IBM PC
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Certified
Support Equipment	Remote mount kit, public address, siren and light controls, unity and gain antennas, multiple control units for single radio, multiple radios from single control head, RF pre-amplifier, internal Aegis, Aegis Encryption (wideband mode only)
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

ComNet Ericsson Repeater; Orion Transportable Repeater

ID# 16



Model Number(s)

Orion Transportable Repeater

Technology

Repeater, conventional or trunking

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs

804-385-2336 (Tel)

Secure Communication Capability

Yes, with optional accessory

Availability

Available

Frequency Range

136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Not specified

Transmitter Power Output Levels

9 W to 18 W

Battery Options

Limited options

Battery Recharging Options

Not specified

Physical Parameters

Size

17 in x 21 in x 7.5 in

Weight

35 lb (without cables)

Power Requirements

13.8 V dc

External Power

Yes

Available Accessories

Speaker-Microphones

Yes

Carrying Cases

Yes

Battery Eliminators

Not specified

Vehicle Adapters

Not applicable

Logistical Parameters

Programming

Dealer/User (authorized technician)

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Standard use

Environmental Conditions

Not specified

Unit Cost

Greater than \$1K

Battery Cycle Life

Not specified

Rapid Charge Battery Cycle Life

Not specified

Maintenance Cost

Not specified

Interface Capability

Capable of digital transmissions without an adapter

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

Not specified

Support Equipment

Available

Warranty

Not specified

Mil Spec/Mil-Std Ratings

Very durable

Intrinsically Safe

No

General

Name

ComNet Ericsson Panther Transceiver, Mobile Panther 400M

ID# 17

Picture Not Available

Model Number(s)

400M

Technology

Mobile, conventional

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

Yes, with accessory

Availability

Available

Frequency Range

UHF: 400 MHz to 470 MHz or 450 MHz to 520 MHz
VHF: 136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

24 channels with priority scan

Transmitter Power Output Levels

Hi: 25 W; low: 5 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

1.97 in x 5.90 in x 7.28 in

Weight

2.65 lb

Power Requirements

13.6 V dc \pm 20 % operating range (negative ground)

External Power

Not applicable

Available Accessories

Speaker-Microphones

External 4 W speaker

Carrying Cases

Not applicable

Battery Eliminators

Not applicable

Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Die-cast aluminum frame, top and bottom covers for main body. Plastic (Noryl SE1) user interface
Environmental Conditions	-22 °F to 140 °F 90 % @ relative humidity (maximum)
Unit Cost	Less than \$500
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Not capable of digital transmission
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	DTMF microphone, PC programming software and cable, external 4 W speaker, accessory cable, modem, hands-free kit, noise suppression kit, scrambler, desktop power supply, and desktop microphone
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E
Intrinsically Safe	No

General

Name

ComNet Ericsson Panther Transceiver, Mobile Panther 600M

ID# 18

Picture Not Available

Model Number(s)

600M

Technology

Mobile, conventional

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

Yes, with accessory

Availability

Available

Frequency Range

UHF: 400 MHz to 470 MHz or 450 MHz to 520 MHz
VHF: 136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

100 channels with priority scan

Transmitter Power Output Levels

Hi: 25 W; low: 5 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

1.97 in x 5.90 in x 7.28 in

Weight

2.65 lb

Power Requirements

13.6 V dc \pm 20 % operating range (negative ground)

External Power

Not applicable

Available Accessories

Speaker-Microphones

External 4 W speaker

Carrying Cases

Not applicable

Battery Eliminators

Not applicable

Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Die-cast aluminum frame, top and bottom covers for main body. Plastic (Noryl SE1) user interface
Environmental Conditions	-22 °F to 140 °F 90 % @ relative humidity (maximum)
Unit Cost	Greater than \$500 but less than \$1K
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Not capable of digital transmission
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	DTMF microphone, PC programming software and cable, external 4 W speaker, accessory cable, modem, hands-free kit, noise suppression kit, scrambler, desktop power supply, and desktop microphone
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E
Intrinsically Safe	No

General

Name

***ComNet Ericsson Panther Transceiver, Portable;
Panther 400P***

ID# 19

Picture Not Available

Model Number(s)

Panther 400P VHF/UHF

Technology

Portable, conventional

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

No

Availability

Available

Frequency Range

UHF: 400 MHz to 470 MHz or 450 MHz to 520 MHz
VHF: 136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

VHF and UHF: 1 W, 2.5 W, 5 W

Battery Options

1100 mAh NiCad, 1500 mAh NiCad, 1850 mAh NiMh

Battery Recharging Options

Single unit and multi-unit rapid chargers, vehicular chargers

Physical Parameters

Size

6.1 in x 2.6 in x 1.8 in with 1000 mAh battery

Weight

11.5 oz without battery; 18.1 oz with 1100 mAh battery

Power Requirements

7.5 V dc (nominal); 6.0 V dc to 9.0 V dc (operating range)

External Power

No

Available Accessories

Speaker-Microphones

Speaker microphone

Carrying Cases

Heavy duty case, holster case, belt clips and strap

Battery Eliminators	Not specified
Vehicle Adapters	Enhanced vehicular charger
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Durable radio built to withstand demanding use.
Environmental Conditions	-24 °F to 145 °F 90 % @ 122 °F relative humidity
Unit Cost	Less than \$500
Battery Cycle Life	1100 mAh NiCad: 8 h (5/5/90); 1500 mAh NiCad: 10.5 h (5/5/90); 1850 mAh NiMH: 13 h (5/5/90)
Rapid Charge Battery Cycle Life	Single-unit and multi-unit rapid chargers
Maintenance Cost	Not specified
Interface Capability	Not capable of digital transmissions
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Type Acceptance Number, Applicable FCC Rules, Industry Canada Certification Number and Applicable Industry Canada Rules
Support Equipment	Speaker microphones, earpiece, single-unit and multi-unit rapid chargers, PC programming software and cable vehicular chargers, heavy-duty case, holster case, belt clips, and strap
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E
Intrinsically Safe	No

General

Name

***ComNet Ericsson Panther Transceiver, Portable;
Panther 500P***

ID# 20

Picture Not Available

Model Number(s)

Panther 500P VHF/UHF

Technology

Portable, conventional

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

No

Availability

Available

Frequency Range

UHF: 403 MHz to 440 MHz, 440 MHz to 470 MHz,
470 MHz to 512 MHz
VHF: 136 MHz to 155 MHz, 150.76 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

16 channels with priority scan

Transmitter Power Output Levels

VHF hi: 5 W, low: 1 W; UHF hi: 4 W, low: 1 W

Battery Options

High capacity and extra high capacity

Battery Recharging Options

Single unit and multi-unit rapid chargers, and vehicular chargers

Physical Parameters

Size

3.7 in x 2.5 in x 0.9 in with high capacity battery

Weight

7.2 oz with high capacity battery

Power Requirements

7.5 V dc (nominal)

External Power

No

Available Accessories

Speaker-Microphones

Speaker microphone

Carrying Cases	Case, belt loop, swivel mount, and strap
Battery Eliminators	Not specified
Vehicle Adapters	Yes
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable - PC Friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Standard
Environmental Conditions	-22 °F to 140 °F 90 % @ 122 °F relative humidity
Unit Cost	Greater than \$500 but less than \$1K
Battery Cycle Life	Equal to or greater than 8 h
Rapid Charge Battery Cycle Life	Single-unit and multi-unit rapid chargers
Maintenance Cost	Not specified
Interface Capability	Not capable of digital transmission
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Type Acceptance Number, Applicable FCC Rules, Industry Canada Certification Number and Applicable Industry Canada Rules
Support Equipment	Speaker microphones, earpiece, single-unit and multi-unit rapid chargers, PC programming software and cable vehicular chargers, heavy-duty case, holster case, belt clips, and strap
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E
Intrinsically Safe	No

General

Name

***ComNet Ericsson Panther Transceiver, Portable;
Panther 600P***

ID# 21

Picture Not Available

Model Number(s)

Panther 600P VHF/UHF

Technology

Portable, conventional

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

No

Availability

Available

Frequency Range

UHF: 400 MHz to 470 MHz, 450 MHz to 530 MHz
VHF: 136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

100 channel capacity

Transmitter Power Output Levels

VHF: 1 W, 2.5 W, 5 W
UHF: 1 W, 2.5 W, 4 W

Battery Options

1100 mAh NiCad, 1500 mAh NiCad, 1850 mAh NiMh

Battery Recharging Options

Single and multi-unit rapid chargers

Physical Parameters

Size

6.1 x 2.6 x 1.8 inches with 1000 mAh battery

Weight

11.5 oz without battery; 18.1 oz with 1100 mAh battery

Power Requirements

7.5 V dc (nominal)
6.0 V dc to 9.0 V dc (operating range)

External Power

No

Available Accessories

Speaker-Microphones

Speaker microphone

Carrying Cases	Heavy-duty case, holster case
Battery Eliminators	Not specified
Vehicle Adapters	Enhanced vehicular charger (adapter)
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Reliable construction, weatherproof accessory connector
Environmental Conditions	-24 °F to 145 °F 90 % @ 122 °F relative humidity
Unit Cost	Less than \$500
Battery Cycle Life	1100 mAh NiCad: 8 h (5/5/90); 1500 mAh NiCad: 10.5 h (5/5/90); 1850 mAh NiMH: 13 h (5/5/90)
Rapid Charge Battery Cycle Life	Single-unit and multi-unit rapid chargers
Maintenance Cost	Not specified
Interface Capability	Versatile UDC allows users to attach a full range of accessories or connect to a PC for programming, testing, and calibration
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Type Acceptance, Industry Canada Certification
Support Equipment	Speaker microphones, earpiece, single-unit and multi-unit rapid chargers, PC programming software and cable, vehicular chargers, heavy-duty case, holster case, belt clips, and strap
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E and IP54 standards
Intrinsically Safe	No

General

Name

***ComNet Ericsson Panther Transceiver, Portable;
Panther™ 625P***

ID# 22



Model Number(s)

Panther™ 625P VHF, UHF

Technology

Portable, conventional

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

Secure Communication Capability

POC: John Hobbs

804-385-2336 (Tel)

Availability

No

Available

Frequency Range

UHF: 400 MHz to 470 MHz, 450 MHz to 530 MHz

VHF: 136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Multiple

Transmitter Power Output Levels

VHF: 1 W, 2.5 W, 5 W

UHF: 1 W, 2.5 W, 4 W

Battery Options

1100 mAh NiCad, 1500 mAh NiCad, 1850 mAh NiMh

Battery Recharging Options

Single and multi-unit rapid chargers, vehicular charger

Physical Parameters

Size

6.1 in x 2.6 in x 1.8 in with 1000 mAh battery

Weight

11.5 oz without battery; 18.1 oz with 1100 mAh battery

Power Requirements

7.5 V dc (nominal)

6.0 V dc to 9.0 V dc (operating range)

External Power

No

Available Accessories

Speaker-Microphones	Speaker microphone
Carrying Cases	Heavy-duty case, holster case
Battery Eliminators	Not specified
Vehicle Adapters	Yes
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Built to withstand demanding use, weatherproof accessory connector
Environmental Conditions	-24 °F to 145 °F 90 % @ 122 °F relative humidity
Unit Cost	Greater than \$500 but less than \$1K
Battery Cycle Life	1100 mAh NiCad: 8 h (5/5/90); 1500 mAh NiCad: 10.5 h (5/5/90); 1850 mAh NiMH: 13 h (5/5/90)
Rapid Charge Battery Cycle Life	Single-unit and multi-unit rapid chargers
Maintenance Cost	Not specified
Interface Capability	Versatile UDC allows users to attach a full range of accessories or connect to a PC for programming, testing, and calibration
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Type Acceptance, Industry Canada Certification
Support Equipment	Speaker microphones, earpiece, single-unit and multi-unit rapid chargers, PC programming software and cable, vehicular chargers, heavy-duty case, holster case, belt clips, and strap
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810E
Intrinsically Safe	No

General

Name

ProVoice ä LPE-200 ä Portable 800 MHz

ID# 23



Model Number(s)

ProVoice LPE-200™

Technology

Portable, conventional and trunked

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

Secure Communication Capability

Encryption, Improved MultiBand Excitation (IMBE) vocoder, DES encryption also available

Availability

Available

Frequency Range

UHF: 403 MHz to 430 MHz
VHF: 136 MHz to 174 MHz
800: 806 MHz to 824 MHz, 851 MHz to 869 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Transmission can travel 10 mi or more

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Up to 800 different trunked system/group combinations and up to 200 conventional channels

Transmitter Power Output Levels

0.5 W to 3 W trunked; 1 W to 2 W talk around

Battery Options

High and extra high capacity

Battery Recharging Options

Vehicular charger, desk and wall chargers

Physical Parameters

Size

5.7 in x 2.6 in x 1.7 in (with high capacity battery)

Weight

20.8 oz (with high capacity battery)

Power Requirements

7.5 V dc (nominal)

External Power

No

Available Accessories

Speaker-Microphones

Remote microphone, headset, earpiece

Carrying Cases

Leather cases, belt loops, swivel mounts

Battery Eliminators

Not specified

Vehicle Adapters

Has vehicle adapter

Logistical Parameters

Programming

Dealer/User (authorized technician) programmable -
PC friendly

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Shock: 1 m drop (per EIA/TIA-603)
Vibration: 5 G (per U.S. Forest Service)

Environmental Conditions

-22 °F to 140 °F
90 % @ 122 °F relative humidity

Unit Cost

Not specified

Battery Cycle Life

Battery life @ 5/5/90: high capacity battery - 8 h; low
capacity battery - 9 h

Rapid Charge Battery Cycle Life

Not specified

Maintenance Cost

Not specified

Interface Capability

Digital technology

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

FCC Type Acceptance No: AXATR-336-A, Industry
Canada (RSS-119) 287-194-340-NA

Support Equipment

Headset, earpiece, remote microphones, PC programming
software and cables, subminiature surveillance
accessories, cases, straps, belt loops and swivel mounts

Warranty

Not specified

Mil Spec/Mil-Std Ratings

Meets Mil Spec 810E, equivalent Mil-Std 810C and
Mil-Std 810D

Intrinsically Safe

No

General

Name

ProVoice ä MASTRä III Base Station 800 MHz

ID# 24

Picture Not Available

Model Number(s)

MASTR III

Technology

Base station or repeater, conventional or trunking (with programmable GETC™ shelf)

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

POC: John Hobbs
804-385-2336 (Tel)

Secure Communication Capability

Encryption, Improved MultiBand Excitation (IMBE) vocoder, DES encryption also available

Availability

Available

Frequency Range

851 MHz to 870 MHz transmit (TX);
806 MHz to 825 MHz TX

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

Com-Net Ericsson

Operational Parameters

Number of Channels

Up to 16

Transmitter Power Output Levels

100 W

Battery Options

13.8 V dc, 100 AH (min) standby battery source

Battery Recharging Options

Not applicable

Physical Parameters

Size

37 in x 21.5 in x 18.25 in; or 69.1 in x 23.1 in x 21 in

Weight

150 lb or 520 lb

Power Requirements

120 V ac ($\pm 20\%$); 230 V ac ($\pm 15\%$); 13.8 V dc

External Power

Yes

Available Accessories

Speaker-Microphones

Not specified

Carrying Cases

Not applicable

Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Rugged
Environmental Conditions	-22 °F to 140 °F 90 % @ 122 °F relative humidity
Unit Cost	Greater than \$1K per unit
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	The modular design makes maintenance and servicing simple and fast
Interface Capability	Digital communications
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Type Acceptance No: AXATR-336-A2, Industry Canada Certification No (TR-329), Industry Canada Certification No (RSS-119)
Support Equipment	Test handset, antenna multicoupler, 50 Hz power supply, combiner, isolator, squelch-operated relay, voice guard encryption, aegis digital, switchable channel spacing, 4800/9600 data rate, plus programmable options
Warranty	Not specified
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	No

General

Name

ProVoice™ Orion™ Mobile 800 MHz

ID# 25



Model Number(s)

ProVoice™ Orion™ Mobile 800 MHz

Technology

Mobile, conventional and trunked

Manufacturer

Com-Net Ericsson Critical Radio Systems, Inc.
P.O. Box 2000
Lynchburg, Virginia 24501
800-431-2345 (Tel)
www.com-netericsson.com

Secure Communication Capability

Encryption Technique: Nonlinear product/block transformation
Algorithm type: data encryption standard (DES)

Availability

Available

Frequency Range

806 MHz to 825 MHz
851 MHz to 870 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

ComNet Ericsson

Operational Parameters

Number of Channels

EDACS System/group combinations: 800
192 conventional channels

Transmitter Power Output Levels

Watts are adjustable to 50 % of rated power
12 W, 35 W (806 MHz to 825 MHz)
30 W (851 MHz to 870 MHz)

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

2 in x 6.9 in x 9.3 in radio only

Weight

Not specified

Power Requirements

10.8 V dc to 16.6 V dc negative ground

External Power	Not applicable
<u>Available Accessories</u>	
Speaker-Microphones	Not applicable
Carrying Cases	Not applicable
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Construction: Control unit: high impact plastic Transceiver: cast metal Weatherproof microphone with hookswitch
Environmental Conditions	-22 °F to 140 °F @ 90 % 50° relative humidity
Unit Cost	Not specified
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Field programmable using an IBM PC
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Certified (AXATR-318-A2 and AXATR-317-B2) Industry Canada Cert. (287-194-232 and 287-194-237)
Support Equipment	Remote mount kit, unity and gain antennas, adaptive multi-path pop filter (AMPF), and motorcycle kit
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

***EFJohnson Auris Digital Base Station; RS-5601
VHF; Single Channel***

ID# 26

Picture Not Available

Model Number(s)

RS-5601/11 VHF

Technology

Base station, conventional, digital

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels/talk groups per rapid channel

Transmitter Power Output Levels

60 W or 125 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

19 in x 14 in x 17.4 in

Weight

50 lb

Power Requirements

120 V ac/12 V dc revert or 12 V dc

External Power

Yes

Available Accessories

Speaker-Microphones

Yes

Carrying Cases

Not specified

Battery Eliminators Not applicable
Vehicle Adapters Not specified

Logistical Parameters

Programming Dealer/User (authorized technician)
Repairs Dealer
Decontamination Not specified
Durability/Ruggedness Standard Use
Environmental Conditions -22 °F to 140 °F
Unit Cost Greater than \$1K per unit
Battery Cycle Life Not applicable
Rapid Charge Battery Cycle Life Not applicable
Maintenance Cost Not specified
Interface Capability Capable of digital transmissions without an adapter

Special Requirements

Operator Skills Required Average
Operator Training Requirements Average
Training Available Yes
Manuals Available Yes
Applicable Regulations Not specified
Support Equipment Available
Warranty 1 yr with 2 yr optional
Mil Spec/Mil-Std Ratings No
Intrinsically Safe No

General

Name

***EFJohnson Auris Digital Repeater; RS-5601 VHF;
Single Channel***

ID# 27

Picture Not Available

Model Number(s)

RS-5601/11 VHF

Technology

Repeater, conventional, digital

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

Capable of secure transmissions without an accessory

Availability

Available

Frequency Range

136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels

Transmitter Power Output Levels

60 W or 125 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

19 in x 14 in x 17.4 in

Weight

50 lb

Power Requirements

12 V dc or 120 V ac/12 V dc revert

External Power

Yes

Available Accessories

Speaker-Microphones

Yes

Carrying Cases

Not specified

Battery Eliminators

Not applicable

Vehicle Adapters

Not specified

Logistical Parameters

Programming

Dealer/User (authorized technician)

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Standard Use

Environmental Conditions

-22 °F to 140 °F

Unit Cost

Greater than \$1K per unit

Battery Cycle Life

Not applicable

Rapid Charge Battery Cycle Life

Not applicable

Maintenance Cost

Not specified

Interface Capability

Capable of digital transmissions without an adapter

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

Not specified

Support Equipment

Available

Warranty

1 yr with 2 yr optional

Mil Spec/Mil-Std Ratings

No

Intrinsically Safe

No

General

Name

***EFJohnson Auris Digital Repeater; RS-5611 VHF;
Dual Channel***

ID# 28

Picture Not Available

Model Number(s)

RS-5601/11 VHF

Technology

Repeater, conventional, digital

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

512 channels; 256 channels/radio channel

Transmitter Power Output Levels

60 W or 125 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

19 in x 14 in x 17.4 in

Weight

50 lb

Power Requirements

12 V dc or 120 V ac/12 V dc revert

External Power

Yes

Available Accessories

Speaker-Microphones

Yes

Carrying Cases

Not specified

Battery Eliminators

Not applicable

Vehicle Adapters

Not specified

Logistical Parameters

Programming

Dealer/User (authorized technician)

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Standard Use

Environmental Conditions

-22 °F to 140 °F

Unit Cost

Greater than \$1K per unit

Battery Cycle Life

Not applicable

Rapid Charge Battery Cycle Life

Not applicable

Maintenance Cost

Not specified

Interface Capability

Digital compatibility

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

Not specified

Support Equipment

Available

Warranty

1 yr with 2 yr optional

Mil Spec/Mil-Std Ratings

No

Intrinsically Safe

No

General

Name

***EFJohnson Auris Digital Base Station; RS-5611
VHF; Dual Channel***

ID# 29

Picture Not Available

Model Number(s)

RS-5601/11 VHF

Technology

Base station, conventional, digital

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

512 channels, 256 channels/radio channel

Transmitter Power Output Levels

60 W or 125 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

19 in x 14 in x 17.4 in

Weight

50 lb

Power Requirements

12 V dc or 120 V ac/12 V dc revert

External Power

Yes

Available Accessories

Speaker-Microphones

Yes

Carrying Cases

Not specified

Battery Eliminators

Not applicable

Vehicle Adapters

Not applicable

Logistical Parameters

Programming

Dealer/User (authorized technician)

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Standard use

Environmental Conditions

-22 °F to 140 °F

Unit Cost

Greater than \$1K per unit

Battery Cycle Life

Not applicable

Rapid Charge Battery Cycle Life

Not applicable

Maintenance Cost

Not specified

Interface Capability

Digital compatibility

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

Not specified

Support Equipment

Available

Warranty

1 yr with 2 yr optional

Mil Spec/Mil-Std Ratings

No

Intrinsically Safe

No

General

Name

***EFJohnson Auris Digital Repeater/Basestation;
RS-5604 (Single Channel)/5614 (Dual Channel)
UHF***

ID# 30



Model Number(s)

RS-5604/14 UHF

Technology

Repeater, conventional, digital

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

Repeater only

Availability

Available

Frequency Range

403 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels/radio channel

Transmitter Power Output Levels

60 W or 125 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

19 in x 14 in x 17.4 in

Weight

50 lb

Power Requirements

12 V dc or 120 V ac/120 V dc revert

External Power

Yes

Available Accessories

Speaker-Microphones	Yes
Carrying Cases	Not specified
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Ruggedized
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Greater than \$1K per unit
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Digital communications
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	Available
Warranty	1 yr with 2 yr optional
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	No

General

Name

EFJohnson Auris Repeater; RS-5604 (Single Channel)/5614 (Dual Channel) UHF

ID# 31



Model Number(s)

RS-5604 UHF

Technology

Repeater, conventional

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

Capable of secure transmissions without an accessory

Availability

Available

Frequency Range

Not specified

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels

Transmitter Power Output Levels

60 W or 125 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

19 in x 14 in x 17.4 in

Weight

50 lb

Power Requirements

12 V dc

External Power

Yes

Available Accessories

Speaker-Microphones	Yes
Carrying Cases	Not specified
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable

Logistical Parameters

Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Standard use
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Greater than \$1K per unit
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Capable of digital transmissions without an adapter

Special Requirements

Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	Available
Warranty	1 yr with 2 yr optional
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	No

General

Name

EFJohnson Transceiver, Portable; 77xx-800 MHz

ID# 32

Picture Not Available

Model Number(s)

77xx-800 MHz

Technology

Portable, conventional and trunked

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

806 MHz to 870 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Talk around and repeated

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels/talk groups

Transmitter Power Output Levels

3 W to 1 W

Battery Options

NiMH

Battery Recharging Options

Single unit rapid charger

Physical Parameters

Size

6.5 in x 2.2 in x 1.2 in

Weight

18 oz (with battery)

Power Requirements

7.2 V dc

External Power

No

Available Accessories

Speaker-Microphones

Yes

Carrying Cases

Leather cases, and belt clips

Battery Eliminators	Yes
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Environmental Conditions	-22 °F to 140 °F
Unit Cost	List price starting at \$1.1K
Battery Cycle Life	8 h at 5/5/90 cycle
Rapid Charge Battery Cycle Life	Not specified
Maintenance Cost	Not specified
Interface Capability	SmartNet/SmartZone trunking
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Part 15 and Canada Acceptance
Support Equipment	Chargers, leather cases, belt clips, speaker microphones, high capacity batteries, and programming accessories
Warranty	0 yr with 2 yr optional
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Yes

General

Name

EFJohnson Transceiver, Portable; 98xx-800 MHz

ID# 33

Picture Not Available

Model Number(s)

98xx-800 MHz

Technology

Portable, conventional and trunked

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

806 MHz to 870 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Talk around and repeated

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels/talk groups

Transmitter Power Output Levels

2 W to 30 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

6 in x 2.1 in x 7.5 in

Weight

3.5 lb

Power Requirements

13.6 V dc

External Power

Not applicable

Available Accessories

Speaker-Microphones

Not applicable

Carrying Cases

Not applicable

Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Standard use
Environmental Conditions	-22 °F to 140 °F
Unit Cost	List price starting at \$1.1K
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not applicable
Interface Capability	SmartNet/SmartZone trunking
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Part 15 and Canada Acceptance
Support Equipment	Remote mount, DTMF microphone, 12 W external speaker, multi-position mounting bracket, programming accessories
Warranty	1 yr with 2 yr optional
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

EFJohnson Transceiver, Portable; 501x VHF

ID# 34



Model Number(s)

501x VHF

Technology

Portable, conventional and trunked

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Talk around and repeated

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels/talk groups

Transmitter Power Output Levels

1 W to 5 W

Battery Options

Two types available, NiMH

Battery Recharging Options

Single unit rapid, multi unit rapid, trickle single unit

Physical Parameters

Size

2.4 in x 8.8 in x 1.9 in (without antenna)

Weight

29 oz (with battery)

Power Requirements

7.2 V dc

External Power

No

Available Accessories

Speaker-Microphones

Yes

Carrying Cases	Yes
Battery Eliminators	Not specified
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Analog list price starting at \$1.9K; P25 Digital list price starting at \$2.3K
Battery Cycle Life	13 h at 5/5/90 cycle
Rapid Charge Battery Cycle Life	Not specified
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Part 15 and Canada Acceptance
Support Equipment	Chargers, leather cases, belt clips, speaker microphones, high capacity batteries, and programming accessories
Warranty	1 yr with 2 yr optional
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

EFJohnson Transceiver, Portable; 504x UHF

ID# 35



Model Number(s)

504x UHF

Technology

Portable, conventional and trunked

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

Project 25 encryption options
SecureNet™ encryption options

Availability

Available

Frequency Range

403 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Talk around and repeated

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels/talk groups

Transmitter Power Output Levels

4 W to 1 W

Battery Options

NiMH

Battery Recharging Options

Single and multi-unit rapid chargers

Physical Parameters

Size

2.4 in x 8.8 in x 1.9 in (without antenna)

Weight

29 oz (with battery)

Power Requirements

7.2 V dc

External Power

No

Available Accessories

General

Speaker-Microphones

Speaker-microphone

Carrying Cases

Leather cases, belt clips

Battery Eliminators

Not specified

Vehicle Adapters

No

Logistical Parameters

Programming

Dealer/User (authorized technician)

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Standard use
Polycarbonate case

Environmental Conditions

-22 °F to 140 °F

Unit Cost

Analog list price starting at \$1.9K; P25 Digital list price starting at \$2.3K

Battery Cycle Life

13 h at 5/5/90 cycle

Rapid Charge Battery Cycle Life

Single and multi-unit rapid chargers

Maintenance Cost

Not specified

Interface Capability

Digital communications; Smart Net/Smart Zone

Special Requirements

Operator Skills Required

Average

Operator Training Requirements

Average

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

FCC Part 15 and Canada Acceptance

Support Equipment

Chargers, leather cases with belt clips, speaker-microphone, high and medium capacity batteries, and programming accessories

Warranty

1 yr with 2 yr optional

Mil Spec/Mil-Std Ratings

Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E

Intrinsically Safe

No

General

Name

EFJohnson Transceiver, Portable; 508x-800 MHz

ID# 36



Model Number(s)

508x-800 MHz

Technology

Portable, conventional and trunked

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

806 MHz to 870 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Talk around and repeated

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels/talk groups

Transmitter Power Output Levels

3 W to 1 W

Battery Options

NiMH

Battery Recharging Options

Single and multi-unit rapid chargers

Physical Parameters

Size

2.4 in x 8.8 in x 1.9 in (without antenna)

Weight

29 oz (with battery)

Power Requirements

7.2 V dc

External Power

No

Available Accessories

Speaker-Microphones

Speaker-microphone

Carrying Cases	Leather cases, belt clips
Battery Eliminators	Not specified
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Standard use Polycarbonate case
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Analog list price starting at \$1.9K; P25 Digital list price starting at \$2.3K
Battery Cycle Life	13 h at 5/5/90 Cycle
Rapid Charge Battery Cycle Life	Single and multi-unit rapid chargers
Maintenance Cost	Not specified
Interface Capability	Digital communications; Smart Net/Smart Zone trunking
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Part 15 and Canada Acceptance
Support Equipment	Chargers, leather cases with belt clips, speaker-microphone, high and medium capacity batteries, and programming accessories
Warranty	1 yr with 2 yr optional
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

EFJohnson Transceiver; 531x VHF

ID# 37



Model Number(s)

531x VHF

Technology

Mobile, conventional and trunked

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

Compatibility with high-tier encrypted radio systems

Availability

Available

Frequency Range

136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Line of site and Repeated

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels/talk groups

Transmitter Power Output Levels

10 W to 50 W variable or 100 W option

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

2.1 in x 7.2 in x 8.3 in

Weight

5.3 lb

Power Requirements

13.6 V dc

External Power

Not applicable

Available Accessories

Speaker-Microphones

Not applicable

Carrying Cases	Not applicable
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Analog list price starting at \$2.4K; P25 Digital list price starting at \$2.8K
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Digital communications, Smart Net/Smart Zone trunking
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Part 15 and Canada Acceptance
Support Equipment	12 W external speaker, remote-mount conversion kit, spare control head kit, desk microphone, DTMF microphone, lockable mounting tray, and power supply
Warranty	1 yr with 2 yr optional
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

EFJohnson Transceiver; 538x-800 MHz

ID# 38



Model Number(s)

538x-800 MHz

Technology

Mobile, conventional and trunked

Manufacturer

EFJohnson
299 Johnson Ave.
P.O. Box 1249
Waseca, Minnesota 56093
507-835-6222 (Tel)
507-835-8356 (Fax)

POC: Dave Helfrich
507-835-9643 (Tel)
507-835-6283 (Fax)

Secure Communication Capability

Compatibility with high-tier encrypted radio systems

Availability

Available

Frequency Range

806 MHz to 870 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Line of site and repeated

Current User(s)

Not specified

Source

EFJohnson

Operational Parameters

Number of Channels

256 channels/talk groups

Transmitter Power Output Levels

10 W to 50 W variable; 100 W option

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

2.1 in x 7.2 in x 8.3 in

Weight

5.3 lb

Power Requirements

13.6 V dc

External Power

Not applicable

Available Accessories

Speaker-Microphones

Not applicable

Carrying Cases	Not applicable
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician)
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Analog list price starting at \$2.4K; P25 Digital list price starting at \$2.8K
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Digital communications; Smart Net/Smart Zone trunking
<u>Special Requirements</u>	
Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	FCC Part 15 and Canada Acceptance
Support Equipment	12 W external speaker, remote-mount conversion kit, spare control head kit, desk microphone, DTMF microphone, lockable mounting tray, and power supply
Warranty	1 yr with 2 yr optional
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Icom VHF Transceiver, Portable; IC-F3

ID# 39



Model Number(s)

IC-F3

Technology

Portable, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

Secure Communication Capability

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)

Availability

Voice scrambler units, nonrolling type and rolling type

Frequency Range

Available

Number of Personnel Supported by System

136 MHz to 150 MHz or 146 MHz to 174 MHz

Geographic Coverage

Unlimited

Current User(s)

50+ with repeater; 12 mi line of sight

Source

U.S. Army soldier intercom

ICOM

Operational Parameters

Number of Channels

32 channels

Transmitter Power Output Levels

Hi: 5 W; low: 1 W

Battery Options

Battery pack (8 AA batteries); 9.6 V/700 mAh;
9.6 V/1050 mAh

Battery Recharging Options

Wall charger, desktop charger, multi-charger, and dc power charger (connected to a cigarette lighter in vehicle)

Physical Parameters

Size

2.4 in x 5.5 in x 1.5 in

Weight

13.8 oz

Power Requirements

9.6 V dc

External Power

No

Available Accessories

Speaker-Microphones	Speaker microphone: Slim dimensions, equipped with an earphone jack and a transmit indicator; headset for hands-free operation, includes VOX, PTT, and “one-touch” PTT with a time-out timer
Carrying Cases	Yes
Battery Eliminators	Not specified
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Durable design features a one-piece polycarbonate front panel, aluminum die-cast frame and screw-type antenna. Radios are built to withstand demanding environments.
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$360
Battery Cycle Life	Not specified
Rapid Charge Battery Cycle Life	Rapid desktop and rapid multi-charger
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	Chargers, battery pack, speaker-microphones, headset, belt clip, dc power cable, earphone, SmarTrunk™, and LTR Trunk
Warranty	2 yr
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Icom VHF Transceiver, Portable; IC-F3S

ID# 40



Model Number(s)

IC-F3S

Technology

Portable, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029
POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)

Secure Communication Capability Availability

No
Available

Frequency Range

136 MHz to 150 MHz or 146 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 12 mi line of sight

Current User(s)

U.S.Army soldier intercom

Source

ICOM

Operational Parameters

Number of Channels

32 channels

Transmitter Power Output Levels

Hi: 5 W; low: 1 W

Battery Options

Battery pack (8 AA batteries); 9.6 V/700 mAh;
9.6 V/1050 mAh

Battery Recharging Options

Wall charger, desktop charger, multi-charger, dc power charger (connected to a cigarette lighter in vehicle)

Physical Parameters

Size

2.4 in x 5.5 in x 1.5 in

Weight

13.8 oz

Power Requirements

9.6 V dc

External Power

No

Available Accessories

Speaker-Microphones

Speaker microphone: Slim dimensions, equipped with an earphone jack and a transmit indicator; headset for hands-free operation, includes VOX, PTT, and “one-touch” PTT with a time-out timer

Carrying Cases

Yes

Battery Eliminators

Not specified

Vehicle Adapters

No

Logistical Parameters

Programming

Dealer/User (authorized technician) programmable

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Rugged, dependable construction

Environmental Conditions

-22 °F to 140 °F

Unit Cost

\$360

Battery Cycle Life

Not specified

Rapid Charge Battery Cycle Life

Rapid desktop and rapid multi-charger

Maintenance Cost

Not specified

Interface Capability

Not specified

Special Requirements

Operator Skills Required

Minimal

Operator Training Requirements

Minimal

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

Not specified

Support Equipment

Chargers, battery pack, speaker-microphones, headset, belt clip, dc power cable, earphone, SmarTrunk™, and LTR Trunk

Warranty

2 yr

Mil Spec/Mil-Std Ratings

Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E

Intrinsically Safe

No

General

Name

Icom VHF Transceiver, Portable; IC-F3GT/IC-F3GTS

ID# 41



Model Number(s)

IC-F3GT/IC-F3GTS

Technology

Portable, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)

Secure Communication Capability

Yes, with optional accessory. Voice scrambler units, non-rolling type and rolling type.

Availability

Available

Frequency Range

136 MHz to 150 MHz, 146 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

10 mi

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

40 channels

Transmitter Power Output Levels

5 W 1.6 A
1 W 0.7 A

Battery Options

Batteries (6 AA)
NiCad, 7.2 V/1100 mAh
NiMH, 7.2 V/1650 mAh

Battery Recharging Options

Desktop charger, multi-charger

Physical Parameters

Size

2-1/8 in x 5-3/16 in x 1-7/16 in

Weight

13.1 oz

Power Requirements

7.2 V dc

External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker-microphone equipped with an earphone jack and a transmit indicator. Headset for hands-free operation, and an earphone provides clear audio in noisy environments.
Carrying Cases	Leather and nylon
Battery Eliminators	No
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Not specified
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Less than or equal to \$500 per unit
Battery Cycle Life	8 h; 5/5/90
Rapid Charge Battery Cycle Life	Desktop rapid charger: charging time 1.5 h to 2 h and multi-charger for rapid charging up to 6 battery packs simultaneously (charging time 1.5 h to 2 h)
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	Battery chargers, speaker-microphone, headset, belt clip, SmarTrunk™, and LTR Trunk
Warranty	2 yr
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Icom UHF Transceiver, Portable; IC-F4

ID# 42



Model Number(s)

IC-F4

Technology

Portable, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

Secure Communication Capability

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)
Voice scrambler units, nonrolling type and rolling type

Availability

Available

Frequency Range

400 MHz to 430 MHz, 440 MHz to 470 MHz, 470 MHz to 500 MHz, or 490 MHz to 512 MHz to 520 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

32 channels

Transmitter Power Output Levels

Hi: 4 W; low: 1 W

Battery Options

Battery pack (8 AA batteries); 9.6 V/700 mAh;
9.6 V/1050 mAh

Battery Recharging Options

Wall charger, desktop charger, multi-charger, and dc power charger (connected to a cigarette lighter in vehicle)

Physical Parameters

Size

2.4 in x 5.5 in x 1.5 in

Weight

13.8 oz

Power Requirements

9.6 V dc

External Power

No

Available Accessories

Speaker-Microphones	Speaker microphone: Slim dimensions, equipped with an earphone jack and a transmit indicator; headset for hands-free operation, includes VOX, PTT, and “one-touch” PTT with a time-out timer
Carrying Cases	Yes
Battery Eliminators	Not specified
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Durable design features a one-piece polycarbonate front panel, aluminum die-cast frame and screw-type antenna. Radios are built to withstand demanding environments.
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$392
Battery Cycle Life	Not specified
Rapid Charge Battery Cycle Life	Rapid desktop and rapid multi-charger
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	Chargers, battery pack, speaker-microphones, headset, belt clip, dc power cable, earphone, SmarTrunk™, and LTR Trunk
Warranty	2 yr
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Icom UHF Transceiver, Portable; IC-F4S

ID# 43



Model Number(s)

IC-F4S

Technology

Portable, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

Secure Communication Capability

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)
No

Availability

Available

Frequency Range

400 MHz to 430 MHz or 440 MHz to 470 MHz
470 MHz to 500 MHz or 490 MHz to 512 MHz to
520 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

32 channels

Transmitter Power Output Levels

Hi: 4 W; low: 1 W

Battery Options

Battery pack (8 AA batteries); 9.6 V/700 mAh;
9.6 V/1050 mAh

Battery Recharging Options

Wall charger, desktop charger, multi-charger, and dc power charger (connected to a cigarette lighter in vehicle)

Physical Parameters

Size

2.4 in x 5.5 in x 1.5 in

Weight

13.8 oz

Power Requirements

9.6 V dc

External Power

No

Available Accessories

Speaker-Microphones

Speaker microphone: Slim dimensions, equipped with an earphone jack and a transmit indicator; headset for hands-free operation, includes VOX, PTT, and "one-touch" PTT with a time-out timer.

Carrying Cases

Yes

Battery Eliminators

Not specified

Vehicle Adapters

No

Logistical Parameters

Programming

Dealer/User (authorized technician) programmable

Repairs

Dealer

Decontamination

Not specified

Durability/Ruggedness

Rugged, dependable construction

Environmental Conditions

-22 °F to 140 °F

Unit Cost

\$392

Battery Cycle Life

Not specified

Rapid Charge Battery Cycle Life

Rapid desktop and rapid multi-charger

Maintenance Cost

Not specified

Interface Capability

Not specified

Special Requirements

Operator Skills Required

Minimal

Operator Training Requirements

Minimal

Training Available

Yes

Manuals Available

Yes

Applicable Regulations

Not specified

Support Equipment

Chargers, battery pack, speaker-microphones, headset, belt clip, dc power cable, earphone, SmarTrunk™, and LTR Trunk

Warranty

2 yr

Mil Spec/Mil-Std Ratings

Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E

Intrinsically Safe

No

General

Name

Icom UHF Transceiver, Portable; IC-F4GT/IC-F4GTS

ID# 44



Model Number(s)

IC-F4GT/IC-F4GTS (F3GT shown)

Technology

Portable, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)

Secure Communication Capability

Yes, with optional accessory. Voice scrambler units, non-rolling type and rolling type.

Availability

Available

Frequency Range

400 MHz to 430 MHz, 440 MHz to 470 MHz, 470 MHz to 500 MHz, 490 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

10 mi

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

40 channels

Transmitter Power Output Levels

4 W 1.5 A

Battery Options

Batteries (6 AA)
NiCad, 7.2 V/1100 mAh
NiMH, 7.2 V/1650 mAh

Battery Recharging Options

Desktop charger, and multi-charger

Physical Parameters

Size

2-1/8 in x 5-3/16 in x 1-7/16 in

Weight

13.1 oz

Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker-microphone equipped with an earphone jack and a transmit indicator. Headset for hands-free operation, and an earphone provides clear audio in noisy environments.
Carrying Cases	Not specified
Battery Eliminators	Not specified
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Not specified
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Less than or equal to \$500 per unit
Battery Cycle Life	8 h; 5/5/90
Rapid Charge Battery Cycle Life	Desktop rapid charger: charging time 1.5 h to 2 h and multi-charger for rapid charging up to 6 battery packs simultaneously (charging time 1.5 h to 2 h)
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	Battery chargers, speaker-microphone, headset, belt clip, SmarTrunk™, and LTR Trunk
Warranty	2 yr
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

ID# 45

Icom VHF Mobile Transceiver; IC-F1020



Model Number(s)

IC-F1020

Technology

Mobile, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

136 MHz to 155 MHz
146 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 10 mi line of sight

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

32 standard
160 optional

Transmitter Power Output Levels

Hi: 45 W; low: 4.5 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

5.9 in x 2 in x 7 in

Weight

3.3 lb

Power Requirements

13.6 ± V dc (15 % negative ground)

External Power

Not applicable

Available Accessories

Speaker-Microphones

Not applicable

Carrying Cases	Not applicable
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Can be fully decontaminated
Durability/Ruggedness	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E; shock and vibration
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$599
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	ACC cable (for external terminal connection), separation kit (for front panel detachment installation), external speaker, 2–tone unit, 5–tone unit, SmarTrunk II™ and Logic Board
Warranty	2 yr
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Not specified

General

Name

ID# 46

Icom UHF Mobile Transceiver; IC-F2020



Model Number(s)

IC-F2020

Technology

Mobile, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

Secure Communication Capability

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)

Availability

No

Frequency Range

Available

400 MHz to 430 MHz
450 MHz to 470 MHz
470 MHz to 490 MHz
490 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 10 mi line of sight

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

32 standard, 160 optional

Transmitter Power Output Levels

Hi: 35 W; low: 2 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

5.9 in x 2 in x 7 in

Weight

3.3 lb

Power Requirements

13.6 ± V dc (15 % negative ground)

External Power

Not applicable

Available Accessories

Speaker-Microphones	Not applicable
Carrying Cases	Not applicable
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable

Logistical Parameters

Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Not applicable
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$650
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Not specified

Special Requirements

Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	ACC cable (for external terminal connection), separation kit (for front panel detachment installation), external speaker, 2-tone unit, 5-tone unit, SmartTrunk II* and Logic Board
Warranty	2 yr
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Not specified

General

Name

Icom VHF Mobile Transceiver; IC-F320/IC-F420

ID# 47



Model Number(s)

IC-F320/IC-F420

Technology

Mobile, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

Frequency range varies according to versions
IC-F320: 136 MHz to 155 MHz or 146 MHz to 174 MHz
IC-F420: 400 MHz to 430 MHz, 450 MHz to 470 MHz,
470 MHz to 490 MHz, 490 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 10 mi line of sight

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

32 channels (16 x 2 banks)

Transmitter Power Output Levels

IC-F320: 45 W
IC-F420: 35 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

5.5 in x 1.6 in x 6.7 in

Weight

2.6 lb

Power Requirements

13.6 ± V dc (15 % negative ground)

External Power	Not applicable
<u>Available Accessories</u>	
Speaker-Microphones	Not applicable
Carrying Cases	Not applicable
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Not applicable
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$379
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	5-tone unit, SmarTrunk II* Logic Board, external speaker, ACC cable, DTMF microphone, and LTR Trunk
Warranty	2 yr
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Not specified

General

Name

Icom UHF Mobile Transceiver; IC-F320S/ IC-F420S

ID# 48



Model Number(s)

IC-F320S/IC-F420S

Technology

Mobile, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)

Secure Communication Capability

Optional voice scrambler units allow operating security

Availability

Available

Frequency Range

Frequency range varies according to versions
IC-F320: 136 MHz to 155 MHz or 146 MHz to 174 MHz
IC-F420: 400 MHz to 430 MHz, 450 MHz to 470 MHz,
470 MHz to 490 MHz, 490 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 10 mi line of sight

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

4 channels

Transmitter Power Output Levels

IC-F320S: 45 W of RF output, adjustable through cloning-fixed power outputs of 45 W, 25 W, and 4.5 W can be adjusted through programming. IC-F420S: 35 W of RF output, adjustable through cloning-fixed power outputs of 35 W, 20 W, and 3.5 W can be adjusted through programming.

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size	5.5 in x 1.6 in x 6.7 in
Weight	2.6 lb
Power Requirements	13.6 V dc (15 % negative ground)
External Power	Not applicable
<u>Available Accessories</u>	
Speaker-Microphones	Not applicable
Carrying Cases	Not applicable
Battery Eliminators	Not applicable
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Not specified
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$420
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	ACC cable, dc power cables, external speakers, hand microphones, and LTR Trunk
Warranty	2 yr
Mil Spec/Mil-Std Ratings	Not applicable
Intrinsically Safe	Not specified

General

Name

Icom VHF Transceiver, Portable; IC-F30GS/IC-F30GT

ID# 49



Model Number(s)

IC-F30GS

IC-30FGT

Technology

Portable, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)

Secure Communication Capability

Yes, scrambling or rolling code

Availability

Available

Frequency Range

136 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

12 mi to 15 mi line of sight

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

256 memory channels, 12 character names, up to 16 banks

Transmitter Power Output Levels

Hi: 5 W; low: dealer programmable

Battery Options

AA battery case, 1100 mAh NiCad, 1650 mAh NiMH

Battery Recharging Options

DTC charger, rapid charger, 6-unit charger, and charger adapter

Physical Parameters

Size

2.4 in x 5.5 in x 1.7 in

Weight

24 oz

Power Requirements

7.2 V dc

External Power

Yes

Available Accessories

Speaker-Microphones

Speaker microphones provide hands-free operation

Carrying Cases	Not specified
Battery Eliminators	Not specified
Vehicle Adapters	Not specified
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Rugged construction, backlit keypad, 1550 NiMH battery standard, one-piece aluminum die-cast chassis Meets Mil-Std requirements and strict environmental standards
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Greater than \$500 but less than \$1K per unit
Battery Cycle Life	Not specified
Rapid Charge Battery Cycle Life	Rapid desktop and multi-charger
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	Chargers, battery pack, speaker microphone, ac adapter for use with charger, belt clip, keypad, SmarTrunk II™ Logic Board, and LTR Trunk
Warranty	Not specified
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Yes

General

Name

***Icom VHF Transceiver, Portable;
IC-F30LT Land Use;
IC-F30LT Marine Version***

ID# 50



Model Number(s)

IC-F30LT (Land Version) (Marine Version)

Technology

Portable, conventional; trunking capable with optional accessory board

Manufacturer

ICOM America Inc.
Corporate Headquarters
2380 – 116th Ave., NE
P.O. Box C-90029
Bellevue, Washington 98009-9029

Secure Communication Capability

POC: Mr. Ron Spencer
425-454-8155 (Tel)
425-454-1509 (Fax)
(Land) Yes, simple inversion or rolling code
(Marine) Yes, with optional accessory. Voice scrambler units, nonrolling type and rolling type.

Availability

Available

Frequency Range

136 MHz to 150 MHz or 146 MHz to 174 MHz (Land Model) 156.025 MHz to 157.425 MHz (Marine Model)

Number of Personnel Supported by System

Unlimited

Geographic Coverage

(Land) 12 mi to 15 mi line of sight
(Marine) 50+ with repeater; 12 mi to 15 mi line of sight

Current User(s)

Not specified

Source

ICOM

Operational Parameters

Number of Channels

IC-F30LT: 99

Transmitter Power Output Levels

Hi: 5 W; low: dealer programmable

Battery Options

Batteries (6 AA); NiCad, 7.2 V/1100 mAh;
NiMH, 7.2 V/1650 mAh; and NiCad battery pack for intrinsically safe operation

Battery Recharging Options

Desktop charger, multi-charger

Physical Parameters

Size

2.4 in x 5.5 in x 1.7 in

Weight

24 oz

Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker-microphone provides convenient, lightweight operation while hanging the transceiver on a belt
Carrying Cases	Yes
Battery Eliminators	No
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Polycarbonate case over a one-piece die-cast aluminum frame and a durable screw-base antenna ensure reliability under demanding commercial operations. Meets Mil-Std requirements and strict environmental standards.
Environmental Conditions	-22 °F to 140 °F Hazardous marine environments (Marine Version)
Unit Cost	Greater than \$500 but less than \$1K per unit
Battery Cycle Life	Not specified
Rapid Charge Battery Cycle Life	Desktop charger for rapid charging a battery pack (charging time 2 h). Multi-charger for charging up to 6 batteries simultaneously (charging time 6 h).
Maintenance Cost	Not specified
Interface Capability	Not specified
<u>Special Requirements</u>	
Operator Skills Required	Minimal
Operator Training Requirements	Minimal
Training Available	Yes
Manuals Available	Yes
Applicable Regulations	Not specified
Support Equipment	Chargers, NiCad/NiMH battery pack, speaker-microphones, ac adapter for charger, speaker-microphone, belt clip, keypad, SmarTrunk II™ Logic Board, and LTR Trunk
Warranty	2 yr
Mil Spec/Mil-Std Ratings	(Land) Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E. (Marine) Meets Mil Spec 810C and Mil Spec 810D
Intrinsically Safe	Yes