

General

Name

Vertex GX4800UT Mobile Transceiver

ID# 151



Model Number(s)

GX4800UT UHF

Technology

Mobile and trunked system

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

450 MHz to 480 MHz and 470 MHz to 512 MHz

Number of Personnel Supported by System

Multiple

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

20 systems/200 groups

Transmitter Power Output Levels

25 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

1.6 in x 5.5 in x 7.1 in

Weight

Not specified

Power Requirements	13.6 ± 20 % V dc
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	Mounted radio (mobile-car)
Environmental Conditions	Not specified
Unit Cost	Not specified
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	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
applicable Regulations	FCC (APV 0946) Industry Canada (363 195 212A)
Support Equipment	7 W extension speaker, console base power supply, variety of microphones, data interface cable, programming hardware kit (includes software package), programming module, programming cable, and pin adapter
Warranty	3 yr parts and labor
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	No

General

Name

Vertex VX Series; VX-10V (VHF Model)

ID# 152



Model Number(s)

VX-10V (VHF Model)

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

Secure Communication Capability

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)
Yes with optional encryption module

Availability

Available

Frequency Range

134 MHz to 160 MHz, 148 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

40 channels (102 optional)

Transmitter Power Output Levels

Programmable: 5 W, 2.5 W, 1 W, and 0.1 W

Battery Options

7.2 V NiCad 1100 or 600 mA (5 W); 7.2 V NiCad 1000 mAh NiCad and intrinsically safe

Battery Recharging Options

Rapid charger, desktop rapid charger, and dual sequential rapid charger

Physical Parameters

Size

2.2 in x 3.9 in x 1.8 in

Weight

13.4 oz

Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Yes - light, medium, and heavy duty
Carrying Cases	Case and clip
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	\$520
Battery Cycle Life	8.2 h VHF 5/5/90 cycle
Rapid Charge Battery Cycle Life	120 V ac or 240 V ac 1 h rapid chargers
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	Batteries, microphones, cases, antennas, cloning cable, and software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Yes, optional

General

Name

Vertex VX Series; VX-10U (UHF Model)

ID# 153



Model Number(s)

VX-10U (UHF Model)

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

Secure Communication Capability

POC: Kirk Waddell

720-344-9645 (Tel)

720-344-9647 (Fax)

Yes, with optional encryption module

Availability

Available

Frequency Range

400 MHz to 430 MHz, 450 MHz to 485 MHz, and 485 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers

millscom@cct.infi.net

Operational Parameters

Number of Channels

40 channels (102 optional)

Transmitter Power Output Levels

Programmable: 5 W, 2.5 W, 1 W, and 0.1 W

Battery Options

7.2 V NiCad 1100 or 600 mA (5 W); .2 V NiCad 1000 mA and intrinsically safe

Battery Recharging Options

Rapid charger, desktop rapid charger, and dual sequential rapid charger

Physical Parameters

Size

2.2 in x 3.9 in x 1.8 in

Weight	13.4 oz
Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Yes - light, medium, and heavy duty
Carrying Cases	Case and clip
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	\$550
Battery Cycle Life	7.1 h UHF 5/5/90 cycle
Rapid Charge Battery Cycle Life	120 V ac or 240 V ac 1 h rapid chargers
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	Batteries, microphones, cases, antennas, cloning cable, and software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Yes, optional

General

Name

Vertex VX Series; VX-300

ID# 154

Picture Not Available

Model Number(s)

VX-300

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

134 MHz to 155 MHz (A)
150 MHz to 174 MHz (C)

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 5 mi

Current User(s)

U.S. Military

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

90 channels

Transmitter Power Output Levels

Hi: 5 W; low: 1W @ 13.8 V dc

Battery Options

Rechargeable NiCad battery pack and 6 AA dry cell

Battery Recharging Options

Desktop and wall-charger

Physical Parameters

Size

2.2 in x 4.7 in x 1.4 in

Weight	14 oz
Power Requirements	12.0 V dc
External Power	A dc power cable with cigarette lighter plug
<u>Available Accessories</u>	
Speaker-Microphones	Yes, earpiece, speaker microphone, earpiece microphone, and VOX Headset
Carrying Cases	Cordura case with clip
Battery Eliminators	Not specified
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Meets Mil Spec 810D and Mil Spec 810E
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$335
Battery Cycle Life	10 h 5/5/90 cycle
Rapid Charge Battery Cycle Life	1 h rapid charger
Maintenance Cost	Not specified
Interface Capability	Programming cable and software
<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, cables, batteries, microphones, cases, antennas, programming cable and software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810D and Mil Spec 810E
Intrinsically Safe	Not specified

General

Name

Vertex HX Series; HX120 UHF Portable

ID# 155



Model Number(s)

HX120 UHF Portable

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

450 MHz to 470 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

2 channels, 4 channels, and 8 channels

Transmitter Power Output Levels

2 W

Battery Options

7.2 V 800 mAh NiCad battery and 7.2 V 1100 mAh NiCad battery

Battery Recharging Options

Desktop trickle charger

Physical Parameters

Size

5.2 in x 2.5 in x 1.5 in

Weight

12.1 oz

Power Requirements 7.2 V dc

External Power No

Available Accessories

Speaker-Microphones Speaker microphone

Carrying Cases Carrying case with clip

Battery Eliminators Yes

Vehicle Adapters Not specified

Logistical Parameters

Programming Dealer/User (authorized technician) programmable

Repairs Dealer

Decontamination Not specified

Durability/Ruggedness Not specified

Environmental Conditions -22 °F to 140 °F

Unit Cost \$337

Battery Cycle Life 10 h 5/5/90 cycle

Rapid Charge Battery Cycle Life Not specified

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 Charger, batteries, microphone, case, antenna, programming cable and software

Warranty 1 yr parts and labor

Mil Spec/Mil-Std Ratings No

Intrinsically Safe No

General

Name

Vertex HX Series; HX120 VHF Portable

ID# 156



Model Number(s)

HX120 VHF Portable

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

150 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

2 channels, 4 channels, and 8 channels

Transmitter Power Output Levels

2 W

Battery Options

7.2 V 800 mAh NiCad battery and 7.2 V 1100 mAh NiCad battery

Battery Recharging Options

Desktop trickle charger

Physical Parameters

Size

5.2 in x 2.5 in x 1.5 in

Weight

12.1 oz

Power Requirements 7.2 V dc

External Power No

Available Accessories

Speaker-Microphones Speaker microphone

Carrying Cases Carrying case with clip

Battery Eliminators Yes

Vehicle Adapters Not specified

Logistical Parameters

Programming Dealer/User (authorized technician) programmable

Repairs Dealer

Decontamination Not specified

Durability/Ruggedness Not specified

Environmental Conditions -22 °F to 140 °F

Unit Cost \$337

Battery Cycle Life 10 h 5/5/90 cycle

Rapid Charge Battery Cycle Life Not specified

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 Charger, batteries, microphone, case, antenna, programming cable and software

Warranty 1 yr parts and labor

Mil Spec/Mil-Std Ratings No

Intrinsically Safe No

General

Name

Vertex HX Series; HX140 VHF Portable

ID# 157



Model Number(s)

HX140 VHF Portable

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes (GE and Motorola type)

Availability

Available

Frequency Range

146 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

8 channels

Transmitter Power Output Levels

5 W

Battery Options

7.2 V 950 mAh NiCad battery and 7.2 V 1400 mAh NiCad battery

Battery Recharging Options

Desktop trickle charger and desktop rapid charger

Physical Parameters

Size

6.7 in x 2.4 in x 1.5 in

Weight

Not specified

Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker microphone
Carrying Cases	Nylon case; D-Ring swivel clip, swivel belt loop, and pager style spring action belt clip
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	Heavy duty construction
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$389
Battery Cycle Life	Not specified
Rapid Charge Battery Cycle Life	Desktop rapid 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, batteries, microphones, cases, antennas, and programming hardware kit and software
Warranty	3 yr parts and labor
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Vertex HX Series; HX381 VHF Portable

ID# 158



Model Number(s)

HX381 VHF Portable

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

138 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

5 W, 4 W, and 2 W (programmable)

Battery Options

950 mAh NiCad battery, intrinsically safe and 1500 mAh NiCad battery

Battery Recharging Options

Mobile trickle charger, desktop rapid charger (120 V ac and 220 V ac/50 Hz) and 6-unit rapid charger

Physical Parameters

Size

5.5 in x 2.4 in x 1.7 in

Weight	Not specified
Power Requirements	9.6 V dc
External Power	A dc power cable with cigarette lighter plug
<u>Available Accessories</u>	
Speaker-Microphones	Lapel speaker microphone; cable w/molded connector, and nonterminated (OEM)
Carrying Cases	Leather or Durus soft carrying case; D-ring swivel clip, swivel belt loop, pager belt clip, and slim line metal pager clip
Battery Eliminators	Yes
Vehicle Adapters	Not specified
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Industrial and rugged use
Environmental Conditions	Unlimited
Unit Cost	\$515
Battery Cycle Life	Not specified
Rapid Charge Battery Cycle Life	Desktop rapid charger (120 V ac and 220 V ac/50 Hz)
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, batteries, microphones, cases, antennas, programming hardware kit and software
Warranty	3 yr parts and labor
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Yes

General

Name

Vertex HX Series; HX381 UHF Portable

ID# 159



Model Number(s)

HX381 UHF Portable

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

400 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

5 W, 4 W, and 2 W (programmable)

Battery Options

950 mAh NiCad battery, intrinsically safe, and 1500 mAh NiCad battery

Battery Recharging Options

Mobile trickle charger; desktop rapid charger (120 V ac and 220 V ac/50 Hz), and 6-unit rapid charger

Physical Parameters

Size

5.5 in x 2.4 in x 1.7 in

Weight

Not specified

Power Requirements	9.6 V dc
External Power	A dc power cable with cigarette lighter plug
<u>Available Accessories</u>	
Speaker-Microphones	Lapel speaker microphone, cable with molded connector, and nonterminated (OEM)
Carrying Cases	Leather or Durus soft carrying case, D-ring swivel clip, swivel belt loop, pager belt clip, and slim line metal pager clip
Battery Eliminators	Yes
Vehicle Adapters	Not specified
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Industrial and rugged use
Environmental Conditions	Unlimited
Unit Cost	\$515
Battery Cycle Life	Not specified
Rapid Charge Battery Cycle Life	Desktop rapid charger (120 V ac and 220 V ac/50 Hz)
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, batteries, microphones, cases, and keypad
Warranty	3 yr parts and labor
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Yes

General

Name

Vertex HX Series; HX240 VHF Portable

ID# 160



Model Number(s)

HX240 VHF Portable

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

150 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

4 W

Battery Options

Alkaline battery tray (holds six AA batteries, not included);
7.2 V 700 mAh NiCad battery, (1.5 W); 12 V 600 mAh
NiCad battery (4 W); 7.2 V 1100 mAh NiCad battery (1.5
W); and 12 V 900 mAh NiCad battery (4 W)

Battery Recharging Options

Mobile trickle charger; desktop rapid charger (120 V ac
and 220 V ac/50 Hz); desktop trickle charger; and mobile
adapter

Physical Parameters

Size	6.5 in x 2.5 in x 1.4 in
Weight	16 oz
Power Requirements	12 V dc
External Power	A dc power cable with cigarette lighter plug

Available Accessories

Speaker-Microphones	Heavy duty speaker microphone, speaker microphone, miniature speaker microphone, tie pin microphone with earphone, and headset with boom microphone
Carrying Cases	Leather carrying case with swivel belt loop, and mobile bracket
Battery Eliminators	Yes
Vehicle Adapters	No

Logistical Parameters

Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Rugged Ability
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$435
Battery Cycle Life	8 h with 5/5/90 cycle
Rapid Charge Battery Cycle Life	Desktop rapid charger (120 V ac and 220 V ac/50 Hz)
Maintenance Cost	Not specified
Interface Capability	Not specified

Special Requirements

Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
applicable Regulations	Not specified
Support Equipment	Chargers, batteries, microphones, cases, keypad, antennas, programming cable and hardware kit, software, and 9 pin to 25 pin adapter
Warranty	3 yr parts and labor
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	No

General

Name

Vertex HX Series; HX240 UHF Portable

ID# 161



Model Number(s)

HX240 UHF Portable

Technology

Portable, conventional

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

450 MHz to 470 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

4 W

Battery Options

Alkaline battery tray (holds six AA batteries, not included);
7.2 V 700 mAh NiCad battery, (1.5 W); 12 V 600 mAh
NiCad battery (4 W); 7.2 V 1100 mAh NiCad battery (1.5
W); and 12 V 900 mAh NiCad battery (4 W)

Battery Recharging Options

Mobile trickle charger; desktop rapid charger (120 V ac
and 220 V ac/50 Hz); desktop trickle charger; and
mobile adapter

Physical Parameters

Size	6.5 in x 2.5 in x 1.4 in
Weight	16 oz
Power Requirements	12 V dc
External Power	A dc power cable with cigarette lighter plug

Available Accessories

Speaker-Microphones	Heavy duty speaker microphone, speaker microphone, miniature speaker microphone, tie pin microphone with earphone, and headset with boom microphone
Carrying Cases	Leather carrying case with swivel belt loop, and mobile bracket
Battery Eliminators	Yes
Vehicle Adapters	No

Logistical Parameters

Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Rugged ability
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$435
Battery Cycle Life	8 h with 5/5/90 cycle
Rapid Charge Battery Cycle Life	Desktop rapid charger (120 V ac and 220 V ac/50 Hz)
Maintenance Cost	Not specified
Interface Capability	Not specified

Special Requirements

Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
applicable Regulations	Not specified
Support Equipment	Chargers, batteries, microphones, cases, keypad, antennas, programming cable and hardware kit, software, and 9 pin to 25 pin adapter
Warranty	3 yr parts and labor
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	No

General

Name

Vertex HX Series; HX482UT UHF Portable

ID# 162



Model Number(s)

HX482UT UHF Portable

Technology

Portable, conventional and trunked

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

450 MHz to 480 MHz and 470 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

10 groups/109 groups

Transmitter Power Output Levels

4 W

Battery Options

950 mAh NiCad battery and 1500 mAh NiMH battery

Battery Recharging Options

Mobile adapter, mobile trickle charger, and desk top rapid charger (120 V ac and 220 V ac/50 Hz)

Physical Parameters

Size

3.6 in x 2.3 in x 1.3 in

Weight

Not specified

Power Requirements	9.6 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Earphone adapter, lapel speaker microphone, cable with molded connector, and nonterminated (OEM)
Carrying Cases	Leather carrying case, swivel belt loop, pager belt clip, slim line metal pager clip, and swivel belt loop
Battery Eliminators	No
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Standard use
Environmental Conditions	Not specified
Unit Cost	\$675
Battery Cycle Life	At least 6 h with 5/5/90 cycle
Rapid Charge Battery Cycle Life	Desktop rapid charger (120 V ac and 220 V ac/50 Hz)
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	Not specified
Support Equipment	Chargers, batteries, microphones, cases, keypad, and antennas
Warranty	3 yr parts and labor
Mil Spec/Mil-Std Ratings	No
Intrinsically Safe	No

General

Name

Vertex HX Series; HX580 Dual Protocol Hand Held

ID# 163

Picture Not Available

Model Number(s)

HX582 Dual Protocol Hand Held

Technology

Portable, conventional and trunked

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

**Secure Communication Capability
Availability**

No

Available

Frequency Range

851 MHz to 869 MHz

**Number of Personnel Supported by
System**

Unlimited

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

10 groups/109 groups

Transmitter Power Output Levels

2 W

Battery Options

950 mAh NiCad battery and 1500 mAh NiMH battery

Battery Recharging Options

Mobile adapter, mobile trickle charger, and desk top rapid charger (120 V ac and 220 V ac/50 Hz)

Physical Parameters

Size

3.6 in x 2.3 in x 1.3 in

Weight

Not specified

Power Requirements

9.6 V dc

External Power	In-line charger/adapter, dual mode, and to operate off car battery while charging radio
<u>Available Accessories</u>	
Speaker-Microphones	Earphone adapter, lapel speaker microphone, cable with molded connector, and nonterminated (OEM)
Carrying Cases	Leather carrying case, swivel belt loop, pager belt clip, slim line metal pager clip, and swivel belt loop
Battery Eliminators	No
Vehicle Adapters	No
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Standard use
Environmental Conditions	Not specified
Unit Cost	\$675
Battery Cycle Life	Not specified
Rapid Charge Battery Cycle Life	Desktop rapid charger (120 V ac and 220 V ac/50 Hz)
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	Not specified
Support Equipment	Chargers, batteries, microphones, cases, keypad, antennas, programming cable and hardware kit, software, and 9 pin to 25 pin adapter
Warranty	3 yr parts and labor
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810
Intrinsically Safe	No

General

Name

Vertex VX Series; VX-210V (VHF Model)

ID# 164

Picture Not Available

Model Number(s)

VX-210V (VHF Model)

Technology

Portable, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes with optional encryption module

Availability

Available

Frequency Range

148 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

Hi: 5 W; low: 1 W

Battery Options

Alkaline (AA); 7.2 V 1100 mAh NiCad; 7.2 V 1100 mAh NiCad and intrinsically safe

Battery Recharging Options

120 V ac 1 h and 12 h desktop; 240 V ac 1 h and 12 h desktop; and wall charger

Physical Parameters

Size

2.3 in x 4.3 in x 1 in

Weight	12 oz
Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker microphone and earpiece microphone
Carrying Cases	Leather case with belt loop and leather case with swivel
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	Super rugged construction
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$340
Battery Cycle Life	8.2 h VHF 5/5/90 cycle
Rapid Charge Battery Cycle Life	13.8 V dc and 120 V ac rapid desktop charger and 230 V ac to 240 V ac rapid desktop 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, batteries, microphones, and cases
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, 810D, and 810E
Intrinsically Safe	Yes

General

Name

Vertex VX Series; VX-210U (UHF Model)

ID# 165

Picture Not Available

Model Number(s)

VX-210U (UHF Model)

Technology

Portable, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes with optional encryption module

Availability

Available

Frequency Range

450 MHz to 485 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

Hi: 5 W; low: 1 W

Battery Options

Alkaline (AA); 7.2 V 1100 mAh NiCad; 7.2 V 1100 mAh NiCad and intrinsically safe

Battery Recharging Options

20 V ac 1 h and 12 h desktop; 240 V ac 1hr and 12 h desktop; and wall charger

Physical Parameters

Size

2.3 in x 4.3 in x 1 in

Weight

12 oz

Power Requirements 7.2 V dc

External Power No

Available Accessories

Speaker-Microphones Speaker microphone and earpiece microphone

Carrying Cases Leather case with belt loop and leather case with swivel

Battery Eliminators Not specified

Vehicle Adapters Not specified

Logistical Parameters

Programming Dealer/User (authorized technician) programmable

Repairs Dealer

Decontamination Not specified

Durability/Ruggedness Super rugged construction

Environmental Conditions -22 °F to 140 °F

Unit Cost \$390

Battery Cycle Life 7.1 h UHF 5/5/90 cycle

Rapid Charge Battery Cycle Life 13.8 V dc and 120 V ac rapid desktop charger; and
230 V ac to 240 V ac rapid desktop 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, batteries, microphones, and cases

Warranty 3 yr on transceivers and 1 yr on accessories

Mil Spec/Mil-Std Ratings Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E

Intrinsically Safe Yes

General

Name

Vertex VX Series; VX-400V (VHF Model)

ID# 166

Picture Not Available

Model Number(s)

VX-400V (VHF Model)

Technology

Portable, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes with optional encryption module

Availability

Available

Frequency Range

134 MHz to 160 MHz, or 148 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

Programmable: 5 W, 2.5 W, 1 W, and 0.1 W

Battery Options

Alkaline (AA); 7.2 V 1100 mAh NiCad; 7.2 V 1100 mAh NiCad and intrinsically safe

Battery Recharging Options

20 V ac 1 h and 12 h desktop; 240 V ac 1hr and 12 h desktop; and wall charger

Physical Parameters

Size

2.3 in x 4 in x 1 in

Weight

11.3 oz

Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Yes, earpiece, speaker microphone, earpiece microphone, and VOX Headset
Carrying Cases	Leather case with belt loop and leather case with swivel
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	Super rugged construction
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$507
Battery Cycle Life	8.2 h VHF 5/5/90 cycle
Rapid Charge Battery Cycle Life	120 V ac and 240 V ac rapid desktop 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, batteries, microphones, and cases
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Yes

General

Name

Vertex VX Series; VX-400U (UHF Model)

ID# 167

Picture Not Available

Model Number(s)

VX-400U (UHF Model)

Technology

Portable, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes with optional encryption module

Availability

Available

Frequency Range

400 MHz to 430 MHz, 450 MHz to 485 MHz or 485 MHz to 512 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

Programmable: 5 W, 2.5 W, 1 W, and 0.1 W

Battery Options

Alkaline (AA); 7.2 V 1100 mAh NiCad; 7.2 V 1100 mAh NiCad and intrinsically safe

Battery Recharging Options

20 V ac 1 h and 12 h desktop; 240 V ac 1 and 12 h desktop; and wall charger

Physical Parameters

Size

2.3 in x 4 in x 1 in

Weight	11.3 oz
Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Yes, earpiece, speaker microphone, earpiece microphone, and VOX Headset
Carrying Cases	Leather case with belt loop and leather case with swivel
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	Super rugged construction
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$537
Battery Cycle Life	7.1 h UHF 5/5/90 cycle
Rapid Charge Battery Cycle Life	120 V ac and 240 V ac rapid desktop 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, batteries, microphones, and cases
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Yes

General

Name

Vertex VX Series; VX-500

ID# 168

Picture Not Available

Model Number(s)

VX-500LX (Low Band VHF)

Technology

Portable, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes with optional encryption module

Availability

Available

Frequency Range

29.7 MHz to 38 MHz or 38 MHz to 50 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 5 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

32 channels

Transmitter Power Output Levels

Hi: 5 W; low: 1 W

Battery Options

Alkaline (AA); 7.2 V 1200 mAh NiCad; 7.2 V 1200 mAh NiCad and intrinsically safe

Battery Recharging Options

Rapid desktop charger (117 V ac and 220 V ac to 234 V ac), rapid vehicular charger, and overnight desktop charger (117 V ac and 220 V ac to 234 V ac)

Physical Parameters

Size

2.3 in x 5.9 in x 1.5 in

Weight	19 oz
Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker microphone
Carrying Cases	Leather or Cordura case
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 cast metal housing
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Not specified
Battery Cycle Life	7.8 h 5/5/90 cycle
Rapid Charge Battery Cycle Life	120 V ac and 240 V ac 1h rapid desktop charger, and rapid vehicular adapter
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, cables, batteries, microphones, cases, antennas, programming cable and software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Intrinsically safe model available

General

Name

Vertex VX Series; VX-510LX (Low Band VHF)

ID# 169

Picture Not Available

Model Number(s)

VX-510LX (Low Band VHF Model)

Technology

Portable, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes with optional encryption module

Availability

Available

Frequency Range

29.7 MHz to 38 MHz or 38 MHz to 50 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 5 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

32 channels

Transmitter Power Output Levels

Hi: 5 W; low: 1 W

Battery Options

Alkaline (AA); 7.2 V 1700 mAh NiCad; 7.2 V 1700 mAh NiCad and intrinsically safe

Battery Recharging Options

120 V ac and 240 V ac overnight desktop charger, 120 V ac and 240 V ac 1 h rapid desktop charger, and rapid 6-unit charger

Physical Parameters

Size	2.3 in x 5.9 in x 1.5 in
Weight	20.1 oz
Power Requirements	7.2 V dc
External Power	No

Available Accessories

Speaker-Microphones	Speaker microphone, medium duty and heavy duty with volume control
Carrying Cases	Leather case with belt loop, nylon case with clip, belt clip, and swivel attachment for leather case
Battery Eliminators	Not specified
Vehicle Adapters	Not specified

Logistical Parameters

Programming	Dealer/User (authorized technician) programmable
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Rugged cast metal housing
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$737
Battery Cycle Life	11 h 5/5/90 cycle
Rapid Charge Battery Cycle Life	Rapid 6–unit multi charger; 120 V ac and 240 V ac 1 h rapid desktop 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, batteries, microphones, cases, belt clip, keypad, and programming cable with software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Intrinsically safe model available

General

Name

Vertex VX Series; VX-510V (VHF Model)

ID# 170

Picture Not Available

Model Number(s)

VX-510V (VHF Model)

Technology

Portable, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes with optional encryption module

Availability

Available

Frequency Range

148 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

32 channels

Transmitter Power Output Levels

Hi: 5 W; low: 1 W

Battery Options

Alkaline (AA); 7.2 V 1700 mAh NiCad; 7.2 V 1700 mAh NiCad and intrinsically safe

Battery Recharging Options

Multiple options

Physical Parameters

Size

2.3 in x 5.9 in x 1.5 in

Weight

20.1 oz

Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker microphone, medium duty and heavy duty with volume control
Carrying Cases	Leather case with belt loop, nylon case with clip, belt clip, and swivel attachment for leather case
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 cast metal housing
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$590
Battery Cycle Life	11 h 5/5/90 cycle
Rapid Charge Battery Cycle Life	Rapid 6–unit multi charger; 120 V ac and 240 V ac 1 h rapid desktop 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, batteries, microphones, cases, belt clip, keypad, and programming cable with software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Intrinsically safe model available

General

Name

Vertex VX Series; VX-510U (UHF Model)

ID# 171

Picture Not Available

Model Number(s)

VX-510U (UHF Model)

Technology

Portable, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes with optional encryption module

Availability

Available

Frequency Range

450 MHz to 488 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

50+ with repeater; 3 mi line of sight

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

32 channels

Transmitter Power Output Levels

Hi: 5 W; low: 1 W

Battery Options

Alkaline (AA); 7.2 V 1700 mAh NiCad; 7.2 V 1700 mAh NiCad and intrinsically safe

Battery Recharging Options

Multiple options

Physical Parameters

Size

2.3 in x 5.9 in x 1.5 in

Weight

20.1 oz

Power Requirements	7.2 V dc
External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Speaker microphone, medium duty and heavy duty with volume control
Carrying Cases	Leather case with belt loop, nylon case with clip, belt clip, and swivel attachment for leather case
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 cast metal housing
Environmental Conditions	-22 °F to 140 °F
Unit Cost	\$590
Battery Cycle Life	11 h 5/5/90 cycle
Rapid Charge Battery Cycle Life	Rapid 6–unit multi charger; 120 V ac and 240 V ac 1 h rapid desktop 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, batteries, microphones, cases, belt clip, keypad, and programming cable with software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	Intrinsically safe model available

General

Name

Vertex VX Series; VX-2000V Mobile Radio (VHF)

ID# 172



Model Number(s)

VX-2000v Mobile Radio (VHF)

Technology

Mobile, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability Availability

Yes

Frequency Range

Available

134 MHz to 160 MHz
148 MHz to 174 MHz

Number of Personnel Supported by System

Multiple

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

4 channels and 40 channels

Transmitter Power Output Levels

Hi: 25 W; low: 5 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size	6.25 in x 1.5 in x 4.25 in
Weight	30.4 oz
Power Requirements	10.8 V dc to 15.6 V dc
External Power	Not applicable

Available Accessories

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

Logistical Parameters

Programming	Dealer/User (authorized technician) programmable –PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Mounted radio (mobile-car)
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Not specified
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
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	Not specified
Support Equipment	2–Tone Decoder Unit, 12 A power supply (117 V ac to 220 V ac), ANI unit, external speaker, plug-in dc line filter, variety of microphones, VX–Trunk II Trunking Mobile Logic Board, radio to computer programming cable, programming software, and radio to radio cloning cable
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Vertex VX Series; VX-2000U Mobile Radio (UHF)

ID# 173



Model Number(s)

VX-2000v Mobile Radio (UHF)

Technology

Mobile, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability Availability

Yes

Available

Frequency Range

400 MHz to 430 MHz, 450 MHz to 480 MHz and 480 MHz to 512 MHz

Number of Personnel Supported by System

Multiple

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

4 channels and 40 channels

Transmitter Power Output Levels

Hi: 25 W; low: 5 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size	6.25 in x 1.5 in x 4.25 in
Weight	30.4 oz
Power Requirements	10.8 V dc to 15.6 V dc
External Power	Not applicable

Available Accessories

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

Logistical Parameters

Programming	Dealer/User (authorized technician) programmable - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Mounted radio (mobile-car)
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Not specified
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	No

Special Requirements

Operator Skills Required	Average
Operator Training Requirements	Average
Training Available	Yes
Manuals Available	Yes
applicable Regulations	Not specified
Support Equipment	2-Tone Decoder Unit, 12 A power supply (117 V ac to 220 V ac), ANI unit, external speaker, plug-in dc line filter, variety of microphones, VX-Trunk II Trunking Mobile Logic Board, radio to computer programming cable, programming software, and radio to radio cloning cable
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Vertex VX Series; VX-3000L (VHF Lowband)

ID# 174



Model Number(s)

VX-3000L (VHF Lowband)

Technology

Mobile, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

29.7 MHz to 37 MHz
37 MHz to 50 MHz

Number of Personnel Supported by System

Multiple

Geographic Coverage

Not specified

Current User(s)

Public Works

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

4 channels, 48 channels, (120 optional) channels

Transmitter Power Output Levels

Hi: 70 W; low: 10 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

6.3 in x 1.6 in x 6.3 in

Weight	3 lb
Power Requirements	13.8 V dc
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 - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Mounted radio (mobile-car)
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Not specified
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
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	Not specified
Support Equipment	25 A power supply (117 V ac to 220 V ac), external speaker, plug-in dc line filter, microphones, VX-Trunk II Trunking Mobile Logic Board, radio to computer programming cable, and programming software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Vertex VX Series; VX-3000V (VHF)

ID# 175



Model Number(s)

VX-3000V (VHF)

Technology

Mobile, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability Availability

No

Frequency Range

Available

134 MHz to 150 MHz
146 MHz to 174 MHz

Number of Personnel Supported by System

Multiple

Geographic Coverage

Not specified

Current User(s)

Public Works

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

4 channels, 48 channels, (120 optional) channels

Transmitter Power Output Levels

Hi: 50 W; low: 5 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

6.3 in x 1.6 in x 6.3 in

Weight	3 lb
Power Requirements	13.8 V dc
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 - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Mounted radio (mobile-car)
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Not specified
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
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	Not specified
Support Equipment	25 A power supply (117 V ac to 220 V ac), external speaker, plug-in dc line filter, microphones, VX-Trunk II Trunking Mobile Logic Board, radio to computer programming cable, and programming software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Vertex VX Series; VX-3000U (UHF)

ID# 176



Model Number(s)

VX-3000U (UHF)

Technology

Mobile, conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

No

Availability

Available

Frequency Range

400 MHz to 460 MHz, 450 MHz to 490 MHz and 480 MHz to 512 MHz

Number of Personnel Supported by System

Multiple

Geographic Coverage

Not specified

Current User(s)

Public Works

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

4 channels, 48 channels, (120 optional) channels

Transmitter Power Output Levels

Hi: 40 W; low: 5 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

6.3 in x 1.6 in x 6.3 in

Weight	3 lb
Power Requirements	13.8 V dc
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 - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Mounted radio (mobile-car)
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Not specified
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
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	Not specified
Support Equipment	25 A power supply (117 V ac to 220 V ac), external speaker, plug-in dc line filter, microphones, VX-Trunk II Trunking Mobile Logic Board, radio to computer programming cable, and programming software
Warranty	3 yr on transceivers and 1 yr on accessories
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Vertex Repeaters; VXR-1000 (VHF)

ID# 177

Picture Not Available

Model Number(s)

VXR-1000 (VHF)

Technology

Repeater, conventional Vertex mobile repeaters

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

150 MHz to 174 MHz

Number of Personnel Supported by System

One

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

0 W to 5 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

1 in x 4.4 in x 5.4 in

Weight

14.4 oz

Power Requirements

13.8 V dc

External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Yes
Carrying Cases	No
Battery Eliminators	No
Vehicle Adapters	Multiple options
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Durable repeater
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	No
<u>Special Requirements</u>	
Operator Skills Required	Above average
Operator Training Requirements	Above average
Training Available	Yes
Manuals Available	Yes
applicable Regulations	Not specified
Support Equipment	Available
Warranty	3 yr
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

Vertex Repeaters; VXR-1000 (UHF)

ID# 178

Picture Not Available

Model Number(s)

VXR-1000 (UHF)

Technology

Repeater, conventional Vertex mobile repeaters

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

450 MHz to 470 MHz

Number of Personnel Supported by System

One

Geographic Coverage

Not specified

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

0 W to 5 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

1 in x 4.4 in x 5.4 in

Weight

14.4 oz

Power Requirements

13.8 V dc

External Power	No
<u>Available Accessories</u>	
Speaker-Microphones	Yes
Carrying Cases	No
Battery Eliminators	No
Vehicle Adapters	Multiple Options
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Durable Repeater
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	No
<u>Special Requirements</u>	
Operator Skills Required	Above average
Operator Training Requirements	Above average
Training Available	Yes
Manuals Available	Yes
applicable Regulations	Not specified
Support Equipment	Available
Warranty	3 yr
Mil Spec/Mil-Std Ratings	Meets Mil Spec 810C, Mil Spec 810D, and Mil Spec 810E
Intrinsically Safe	No

General

Name

ID# 179

Vertex Repeaters; VXR-5000 (VHF)



Model Number(s)

VXR-5000 (VHF)

Technology

Repeater, and trunking Vertex mobile repeaters

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)
No

Secure Communication Capability

Availability

Available

Frequency Range

134 MHz to 147 MHz, 146 MHz to 160 MHz, 156 MHz to 168 MHz, and 164 MHz to 174 MHz
Multiple

Number of Personnel Supported by System

Not specified

Geographic Coverage

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

8 channels

Transmitter Power Output Levels

25 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

14.8 in x 10.8 in x 4.3 in

Weight

26.4 lb

Power Requirements	100 V ac/117 V ac/220 V ac/235 V ac, 13.8 V dc
External Power	Yes
<u>Available Accessories</u>	
Speaker-Microphones	Yes
Carrying Cases	No
Battery Eliminators	No
Vehicle Adapters	Multiple Options
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Durable repeater
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Not specified
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	No
<u>Special Requirements</u>	
Operator Skills Required	Above average
Operator Training Requirements	Above average
Training Available	Yes
Manuals Available	Yes
applicable Regulations	Not specified
Support Equipment	Available
Warranty	3 yr
Mil Spec/Mil-Std Ratings	None
Intrinsically Safe	No

General

Name

Vertex Repeaters or Base Station; VXR-5000 (UHF)

ID# 180



Model Number(s)

VXR-5000 (UHF)

Technology

Conventional and trunking capable with optional accessory board

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

400 MHz to 420 MHz, 430 MHz to 450 MHz, 450 MHz to 470 MHz, 470 MHz to 490, and 490 MHz to 215 MHz
Unlimited

Number of Personnel Supported by System

Geographic Coverage

Not applicable

Current User(s)

Not specified

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

8 channels

Transmitter Power Output Levels

25 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

14.8 in x 10.8 in x 4.3 in

Weight	26.4 lb
Power Requirements	100 V ac,/117 V ac/220 V ac/235 V ac, 13.8 V dc
External Power	Yes
<u>Available Accessories</u>	
Speaker-Microphones	Yes
Carrying Cases	No
Battery Eliminators	No
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Not applicable
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Not specified
Battery Cycle Life	Not applicable
Rapid Charge Battery Cycle Life	Not applicable
Maintenance Cost	Not specified
Interface Capability	No
<u>Special Requirements</u>	
Operator Skills Required	Above average
Operator Training Requirements	Above average
Training Available	Yes
Manuals Available	Yes
applicable Regulations	Not specified
Support Equipment	Available
Warranty	3 yr
Mil Spec/Mil-Std Ratings	None
Intrinsically Safe	No

General

Name

Vertex Repeater or Base Station; VXR-7000 (VHF)

ID# 181

Picture Not Available

Model Number(s)

VXR-7000 (VHF)

Technology

Conventional, Vertex mobile base station or repeater, and optional VX-Trunk operation

Manufacturer

Yaesu/Vertex-Standard
17210 Edwards Rd.
Cerritos, California 90703
562-404-2700 (Tel)

POC: Kirk Waddell
720-344-9645 (Tel)
720-344-9647 (Fax)

Secure Communication Capability

Yes

Availability

Available

Frequency Range

136 MHz to 150 MHz and 150 MHz to 174 MHz

Number of Personnel Supported by System

Unlimited

Geographic Coverage

Not applicable

Current User(s)

Public Safety

Source

Mills' Communications Inc.
210 Pennsylvania Ave.
Westminster, MD 21157
410-876-8600 (Tel)
410-848-8600 (Tel)
410-857-8600 (Fax)

POC: Jeff Myers
millscom@cct.infi.net

Operational Parameters

Number of Channels

16 channels

Transmitter Power Output Levels

50 W

Battery Options

Not applicable

Battery Recharging Options

Not applicable

Physical Parameters

Size

4.5 in x 12.8 in x 15.4 in

Weight

22 lb

Power Requirements

13.8 V dc

External Power	Yes
<u>Available Accessories</u>	
Speaker-Microphones	Yes
Carrying Cases	No
Battery Eliminators	No
Vehicle Adapters	Not applicable
<u>Logistical Parameters</u>	
Programming	Dealer/User (authorized technician) programmable - PC friendly
Repairs	Dealer
Decontamination	Not specified
Durability/Ruggedness	Not applicable
Environmental Conditions	-22 °F to 140 °F
Unit Cost	Not specified
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	Above average
Operator Training Requirements	Above average
Training Available	Yes
Manuals Available	Yes
applicable Regulations	Not specified
Support Equipment	Available
Warranty	3 yr
Mil Spec/Mil-Std Ratings	None
Intrinsically Safe	No