

X-Band Man-pack Satellite Terminal

World-Class Communications Anywhere in the World™

LIGHTWEIGHT, LOW-COST SATCOM SOLUTION FOR HIGHLY MOBILE REMOTE USERS

Harris CapRock's X-band terminal offers a lightweight, portable man-pack satcom solution for government and military users deployed in remote areas of operation. Certified for use with SKYNET, XTAR and WGS* satellites, the innovative, user-friendly microsats terminal is designed for the highly mobile incidental operator.

The X-band terminal easily connects to Harris CapRock's CommandAccess™ network to deliver complete, end-to-end, man-packable, military-grade satellite communications solutions.

CommandAccess™
by Harris CapRock
Certified



Harris CapRock's X-band terminal deployed on the CommandAccess global satellite network

BENEFITS

- > Increased terminal reliability without any audio signature
- > Simple setup and operation for the incidental operator
- > All-in-one package - no additional tools needed for operation
- > Optimal flexibility for a variety of mission profiles
- > Increased bandwidth efficiency
- > Increased mission assurance in remote areas
- > Assured communications in adverse conditions

AT-A-GLANCE FEATURES

Advanced cooling system with passive thermal management
Auto-assist pointing using logical front-panel display
Internal compass, GPS, inclinometer; modem and GUI
Highly functional design in a compact form factor
Low-loss RF components and interfaces
Advanced power management system
MILSPEC-tested, environmentally sealed system

* Estimated Q3 2012

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TECHNICAL PERFORMANCE CHARACTERISTICS

Characteristic	Specification
Modem and Transceiver Backpack Hardened Case	12" x 8" x 4" W x D x H 20" x 12" x 7" 21.7" x 14.1 x 8.9"
Weight	17 Lbs Mast-mounted 27 Lbs Total System
Power Input	85 – 265 VAC, 47-440Hz 10 – 36VDC External battery (Not Included)
Battery Run-time	80 min using one (1) BB-2590 Greater than 3 hours when using keyline feature
Operating Frequency (X Band)	Uplink: 7.90 – 8.40 GHz Downlink: 7.25 – 7.75 GHz
Operating Temperature Range	-20 to +55 deg C
G/T - (20 deg elevation angle)	45 cm Antenna - 8.4 dB/K 65 cm Antenna - 11.4 dB/K
EIRP - P1dB	45 cm Antenna - 41.8 dBW 65 cm Antenna - 44.8 dBW

Characteristic	Specification
Modem	iDirect e850MP
Any external L-Band modem	Via external L-Band Tx/Rx connections
GPS Antenna	Internal GPS with remote-able antenna
Interfaces	Power Connector: 1 Mil-Std, MS-3112, 10-pin Ethernet Ports: 2, RJ45 Console Port: 1, RJ45 Monitor Port: 1, L-Band, F-type External Modem Connections: 2, L-Band, F-type
Environmental	MIL-STD-810F
Temperature	-20 to +55C
Humidity	95 %, Condensing
Vibration	Method 514.4
Salt Fog	Method 509.4
Sand and Dust	Method 510.4
Shock	Method 516.5 Procedure II
Blowing Rain	Method 506.4

PACKAGING OPTIONS



Roll-away hard case, FAA overhead compliant (Black)



Small rucksack, FAA overhead compliant (Black, Desert Tan, and OD Green)



Roll-away soft case with backstraps, FAA overhead compliant (Black)



Airline-checkable and shipping hard case for man-pack and rucksack (Black, Desert Tan, and OD Green)

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X-BAND MAN-PACK TERMINAL AND COMMANDACCESS™ SALES

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