

SPECIFICATIONS

RF CHARACTERISTICS

Transmit: 1626.5 to 1646.5 MHz
Receive: 1525.0 to 1545.0 MHz
Gain to Noise Temperature (G/T): -3 d B/K
Transmit Carrier EIRP: 25, 29, and 33dBW
Antenna Beamwidth: 15° at half power points
Antenna Type – Flat Panel Phased Array.

VOICE SERVICE

Digital Data Rate: 16 Kbps
FEC: 3/4
Modulation Technique: O-QPSK
Voice Coding: APC-MLQ
Optional Service: Supports STUIII / STUIIB operation at 9.6 Kbps

DATA SERVICE

Digital Data Rate: 64/56 Kbps and 9.6 Kbps
Modulation Technique: O-QPSK

EXTERNAL INTERFACES

Telephone/Fax Ports: Accepts standard DTMF telephones or CCITT Group III Fax Machines
Data Port: RS232 (9.6 Kbps async service DB-9F)
HSD Port: EIA530
All ports have individual phone numbers (2 Voice ports, 2 Fax ports)

PHYSICAL

Number of cases: 1
Weight: Less than 32 lbs. (14 Kg)
Size: ODU: 16.5"/42.3 cm W
21.5"/55.0 cm H
3.2"/8.2 cm D
IDU: 14.0"/35.9 cm W
3.1"/8.0 cm H
8.0"/20.5 cm D

Antenna (deployed): 30.5" x 30.5" (77.5 X 77.5 cm)
Standard Antenna Cable 50 ft. up to 500 ft. Optional.
Deployment Time: Deployed and ready to transmit in less than five minutes

POWER REQUIREMENTS

AC SUPPLY – CE Approved
Input range: 120/240 Vac, 47 to 63 Hz
DC SUPPLY – CE Approved 12-48 VDC
DC Inverter (use W/AC supply): Input range 10 to 15 VDC



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Because Globecom Systems is continuously improving its products, specifications are subject to change without notice.

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EXPLORER REQUIREMENTS

Transmit: 160 Watts
Receive: 40 Watts

ENVIRONMENTAL

TEMPERATURE RANGE
Operating: -20° C to 55° C (-4° F to 131° F)
Storage: -40° C to 95° C (-40° F to +203° F)

HUMIDITY

Operating: 30% to 95% (non-condensing)
Storage: 10% to 95% (non-condensing)

Globecom Systems' added value at a glance.

The extra advantages of trusting your communications to the world's best satellite ground segment company and Inmarsat-B Premier Service.

There is no other mobile satellite service presently available, announced or planned for operation in the foreseeable future that will provide all the capacity of EXPLORER II.

Only the Globecom Systems EXPLORER II gives you all of the extra features and benefits listed here, including HSD and ISDN.

18-month EXPLORER II warranty

Internet support from NetSat Express, a Globecom Systems subsidiary with extensive TCP/IP protocol experience, specializing in Internet access by satellite

Operational assurance from Globecom Systems' vast datacom experience with

- Data Interfaces: RS449, V.35, X.21, RS232 and others
- ISDN: Both U.S. and Euro ISDN networks
- Video Conferencing: H.320 and new evolving standards
- Remote Network Access: LAN, Ethernet, TCP/IP

Globecom Systems factory training programs - sales, service and applications – ensure that highly-qualified local support is available around the globe

Globecom Systems special documentation: Easy-to-follow pocket-size Reference Guide and comprehensive, fully detailed Operator's Manual

100% testing of your EXPLORER II by Globecom Systems to assure reliability

Globecom Systems' Expedited Maintenance Program for fast hassle-free help when you need it most

Seamless global coverage via Inmarsat-B Premier Services to public and private networks.

Established global network of Inmarsat-B Premier Service providers, with routing agreements with PTTs and regulatory agencies in most countries

Explorer II has received Full Inmarsat-B Type Approval.



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in the USA

