

TES 3700/3900 Transportable Earth Station



Quick set-up time • Lightweight • Unique Tri-fold antenna • Weather-tight connection

Globecomm System's Transportable Earth Station is designed to provide on-site reliable service in the most demanding applications of voice and data networks. The TES-3700/3900 is able to serve as a primary earth station or as a remote hub capable of moving to any location at any time. These Transportable terminals can be implemented in the following categories:

- Disaster Relief
- Restoral Networks
- SCPC voice/data networks
- TDMA voice/data network nodes
- VSAT hub terminal
- Intelesat IBS/IDR service
- Eutelsat SMS service

**Provides on-site service
in the most demanding
applications of voice
and data networks.**

Terminal Features

- Quick set-up time
- The entire earth station is mounted on a heavy-duty tandem axle trailer with leveling jacks, surge brakes, and a lighting package. Lightweight and unique tri-fold antenna provides easy towing even on ruff terrain. Lockable storage box. Weather tight connections.
- Available in C, X, or Ku-band with a 2-port standard linear/circular polarized combining network.

TRI-FOLD ANTENNA

- Versatile elevation-over-azimuth positioner features continuous 330° azimuth coverage and 90° continuous elevation adjustment
- The ability to view geostationary satellites, horizon to horizon, from any location worldwide.
- Electrical performance meets or exceeds:
 - U.S. FCC pattern requirement for 2° satellite spacing
 - INTELSAT E-2, E-1, G, and K Standards for Ku-band
 - INTELSAT F-1 and G Standards for C-band
 - EUTELSAT Standards

MODEM

- 2.4 kbit/s to 4.375 Mbit/s
- Fully accessible system topology (FAST)
- Intermediate Data Rate (IDR)
- Intelesat Business Services (IBS)
- Drop and Insert (D&I)
- Automatic Uplink Power Control (AUPC)
- Asynchronous Channel Unit Overhead
- Reed-Solomon
- Fast Acquisition
- Built-in Self-Test



MODEM SWITCH

- Use either modem as Primary or Back-up
- Local/Remote, Automatic/Manual control

TRANSCEIVER SWITCH

- Use either transceiver as Primary or Back-up
- Local/Remote, Automatic/Manual control

TRANSCEIVER

- C-Band (5.845-6.425 GHz)
- Ku-band (14.0-14.5 GHz)
- Various Output Power Level (2w-50w)
- 70/140 MHz IF



CISCO Router Specifications:

The Router is available in various configurations:

- Data port interface
- Standard Network Interface
- Standard Data Port
- Voice Ports
- Alarm Relay
- Control Port

Monitor and Control (option):

The AxxSys™ Earth Station Management System consists of a mobile or fixed computer workstation which interfaces with the RF equipment and other system-related hardware. A key feature of the Globecomm System AxxSys™ Earth Station Management System is the ability to remotely log into the system to update the latest version of software, or request software maintenance, without a Globecomm representative on site, thereby saving time and money.

Key features:

- Complete monitor and control capabilities
- Win 2000/Win NT interface
- MS Access Report and Event Logging
- Remote Control from virtually any PC
- Support for almost all Satcom hardware
- User-level access
- Modular design for easy up-grades/modifications

General Specifications:

Input power: 95 to 230 VAC, 47 to 63 Hz
Environmental: Outdoor Equipment: -40° to +50° C
Indoor Equipment: 0° to +50° C
Humidity: 0 to 100% RH
Altitude: 0 to 10,000 feet
Trailer Weight: Approx. 6225 lbs.
Tongue Weight: Approx. 620 lbs.

Optional Equipment:

Trailer:

- International Vehicle Lighting Package
- Domestic DOT approved Lighting Package
- Generator

UPS

- Selectable run times
- Additional Outlets



Globecomm

45 Oser Avenue
Hauppauge, NY 11788-3816
USA
Tel: +1-631-231-9800
Fax: +1-631-231-1557
Email: info@globecommsystems.com

NASDAQ: GCOM

www.globecommsystems.com