



MT-1024 Portable Satellite Terminal



Features and Capabilities

The MT-1024 is a portable satellite terminal for high speed data transmission via Ku-band satellite system. It consists of a transceiver unit combined with a choice of Ku-band antennas. The transceiver unit is supplied in 19", 2U housing for integration in portable cases or racks. The key features and capabilities are:

- Transmit and receive data rates up to 1024 kbps,
- Synchronous serial data interface and 2 Ethernet ports to connect application equipment,
- Connections to the international ISDN networks, the Internet or leased lines via a selected Ku-band satellite and the M2SAT gateway system,
- Terminal deployment within 5 minutes,
- Easy operation using the keypad and display at the transceiver unit or a PC/notebook with standard Web browser connected to one of the Ethernet ports,
- AC, DC and dual power supply options,
- Various types of weatherproof and ruggedised transport cases available as option.





Technical Data

Transmission Speeds

Transmit / Receive up to 1 Mbps duplex depending on location and application

RF Characteristics

Transmit Frequency Range 14.000 to 14.500 GHz
Receive Frequency Range 10.950 to 12.750 GHz
EIRP 48 dBW max.
G/T > 21 dB/K

Interfaces

Data RS-530/RS-449 synchronous interface (DC-37 pin connector female) Adaptation to V.11, X.21, V.35 via optional interface cables Internal or external clock selectable

IP (LAN) 2 Ethernet Ports (RJ-45 sockets)
Built-in IP-Router, DHCP- and Web server
Up to 4 public IP addresses optional

Terminal Control

Local Keypad with LCD display
Via Ethernet Port Web browser

Power Supply

Voltage 100 – 240 V AC 50/60 Hz and 12 V DC or 24 V DC
Consumption 110 W max. in transmit mode, 80 W max. in standby mode

Environmental

Temperature range Transceiver unit 0° to +50° C
Antenna unit -25° to +55° C
Humidity 0 to 90 % non-condensing

Dimensions and Weight

Transceiver unit 19", 2U (depth 35 cm), approx. 6 kg

Antenna

Depending on application Collapsible, Box Antenna, Carry On Antenna

