

EMS Technologies

SATCOM



STORM

TOTALLY MOBILE 64kbits/s ISDN COMMUNICATIONS

Communicating from inaccessible locations has taken on a new perspective with the advent of the Global Area Network (GAN) from Inmarsat and the arrival of the latest high performance terminal - EMS SATCOM's **STORM**.

STORM's compact, rugged construction provides reliable high-speed data-handling facilities in a tough, go-anywhere format. The whole unit weighs just 5.5kg [12 lb.] (including battery).

STORM can send and receive voice and data at a standard speed of 64kbits/s - or up to 128kbits/s by bonding 2 terminals. Users can send and receive e-mails, access the Internet, send voice and fax messages, videos, still photographs - whatever situation you are

in, the rest of the world is not as far away as you think.

STORM's unique design and comprehensive set of interfaces enable anyone to travel the world equipped with the ultimate communications package.



BROADCASTERS, requiring a leading edge communications package for up-to-the-minute news gathering and remote reporting - **STORM** caters for store and forward video, still picture transmission, broadcast quality voice, and video conferencing.



SURVEYORS, needing to transmit high volumes of data and maintain communications links from remote sites - **STORM** supports up to 1 hour of constant high speed data, and up to 3 hours of voice from standard heavy duty camcorder batteries.



MILITARY, Peacekeeping and Disaster Relief duties, involving regions with a severely disrupted local communications infrastructure - where the **STORM**'s rugged construction and reliable operation are essential features.



ANYONE, who requires a rugged, reliable terminal capable of providing 64kbits/s ISDN communication from remote locations.



VOICE



IMAGES



HIGH-SPEED DATA



WWW



FAX



FAST DATA AND FLEXIBLE INTERFACES

A comprehensive selection of interfaces - ISDN, X21, RS449, USB, RS232, 2 x RJ11 - provides ISDN and other 64kbits/s PSTN connectivity. **STORM** also integrates a versatile interface for customer-specific applications.

Using the ISDN bonding interface to connect two terminals together, data transfer rates can be accelerated to 128kbits/s.

STORM is equipped with Inmarsat Mobile Packet Data Service (MPDS) packet data mode capability, providing the latest and most cost-effective service currently available.

RUGGEDLY CONSTRUCTED AND READY FOR ACTION

The **STORM**'s tough construction can contend with some of the worst environments the world has to offer. Designed to combat the weather, it features a splash-proof indoor unit and sealed antenna unit. **STORM** is supplied in a soft carry case, but can be delivered with a specially-designed high quality roller case that conforms with airline

carry-on regulations - offering further protection within a smart, portable package.

Open up the case, connect the indoor unit to the antenna and **STORM** is instantly ready for action. Comprising an integral telephone handset, keypad and LCD screen, **STORM** can be swiftly deployed via a simple set-up routine, without the need for any external devices. The antenna can be placed up to 10m [32.8 ft.] away from the indoor unit using the standard cable, or up to 70m [230 ft.] with the optional extension kit.

The **STORM**'s SIM card is housed inside the indoor unit, well protected from the elements, and can be removed in seconds.

POWERED FOR PERFORMANCE

STORM uses heavy-duty rechargeable camcorder batteries, available from most camera stores, and provides constant high-speed data usage of approximately 1 hour. **STORM** can be powered directly from a 10.2v-15.6v DC supply and has a wide-ranging AC adaptor.



STORM delivers the high data rate services provided by Inmarsat's Global Area Network in a tough, go-anywhere format.

TECHNICAL DATA

Size and weight	[8.7" x 10.6" x 3"]
Indoor Unit	220 x 269 x 75 mm [15.7" x 15.6" x 3.6"]
Outdoor Unit	399 x 397 x 92 mm [15.7" x 15.6" x 3.6"]
Antenna	399 x 397 mm [12 lb.] (Inc Battery)
Weight	5.5kg (Inc Battery)

Humidity
 IME 95% non-condensing at 40 C [104 F]
 (IME = Indoor Unit)
 EME 100% condensing
 (EME = Outdoor Unit)

Services
 ISDN basic rate interface, NT1 S/T bus
 ITU-T I.430 compliant
 56/64kbits/s data (UDI)
 56/64kbits/s speech
 128kbits/s with ISDN Bonding
 3.1kHz audio
 Inmarsat Mobile Packet Data Services (MPDS)
 4.8kbits/s AMBE voice
 Secure voice STU III/IIB

Interfaces
 ISDN (RJ45), 2 x RJ11, RS232,
 X.21, RS449 and USB

Battery Capacity
 64kbits/s data up to 1 hour continuous
 Voice up to 3 hours

PC Application Software
 For Windows 95, 98, NT, 2000

AC Adaptor
 100 to 240 VAC 47 to 63Hz

Electromagnetic Compatibility
 EN 300 339, TBR 44

Optional Configurations
 Pole-mounted antenna
 128kbits/s with 2 terminals
Antenna Cable
 Up to 20m [65 ft.] (RG223)
 Up to 70m [230 ft.] (RG214)



Environmental Conditions

Operational Temperature Range		
Indoor Unit	-25 to +55 C	[13 to 131 F]
Outdoor Unit	-25 to +55 C	[13 to 131 F]
Storage Range	-40 to +80 C	[-40 to 176 F]
Shock Survival	20g (11ms half sine wave)	

- RUGGED**
- WEATHERPROOF**
- COMPATIBLE**
- LONG BATTERY LIFE**

EMS SATCOM reserves the right to amend specification without prior notice

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