

TT-3088A Capsat® Fleet33



Features

- Maritime communication terminal providing phone, fax, e-mail and Internet.
- MPDS - continuously online - only charged per Mbit sent / received.
- 64/28 kbps downstream/upstream data via MPDS.
- 9.6 kbps fax/data. Data compression will offer data speed up to 40kbps.
- Mini-M voice. Global coverage, 78° north to 78° south.
- Simple installation due to light weight and compact transceiver and antenna design. Units only connected by a single cable.
- Rapid configuration via handset or PC.
- Ethernet interface enables multiple PCs to connect to the Internet via MPDS.
- Compact, convenient, cost effective and reliable.
- 12 V or 24V input voltage option.
- Easy Mini-M retrofit due to compatible antenna footprint and cable.

Description

The Capsat® Fleet33 provides a constant two-way link to the Inmarsat satellites offering all Fleet33 services.

The Capsat® Fleet33 terminal enables the vessel to be connected to voice, fax, e-mail and Internet 24 hours a day. Connected to an Ethernet IP router several PC's may be connected to the Internet.

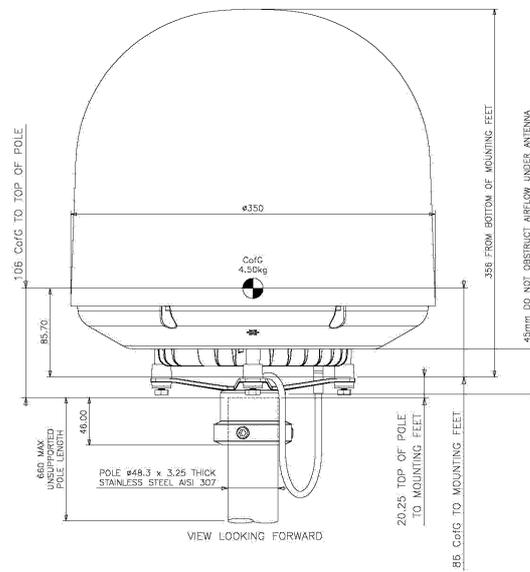
The TT-3088A Capsat® Fleet33 offers cost effective, 9.6 kbps fax/data, 4.8 kbps Mini-M voice and 64/28 kbps MPDS data communication.

With MPDS you are always online but only charged for the amount of data transferred making it the most economic and convenient solution for e-mail, small and medium size transfer, LAN, VPN and Internet. MPDS offers a shared 64 kbps downstream/28 kbps upstream data channel.

The data services, charged per minute, provide a 9.6 kbps fax channel and a 9.6kbps channel with a constant data stream usually preferable for up- or downloading large files. Data compression will offer data speed up to 40 kbps.

The system is accompanied by user-friendly software, which enables simple configuration from a standard PC.

The compact antenna is 35 cm high, has a diameter of just 35 cm and weighs less 4.5 kg. The small sized transceiver unit weighs only 1.9 kg. A single cable connects the system units making system installation and service very simple.



Specifications

Approvals:

Inmarsat Fleet33 approved.
Compliant to FCC, title 47 part 25, section 25.216.
Compliant to RITTE, CE Marked.

Frequency Band:

Rx : 1525.0 – 1559.0 MHz.
Tx : 1626.5 – 1660.5 MHz.
Ch. spacing: 1.25 kHz – Rx.

Recommended Antenna Cable:

TNC/TNC male, max. cable loss 10 dB at 1.6 GHz, 0.5 Ω at DC.
1 – 10 m, RG223.
10 – 30 m, RG214.
30 – 50 m, SA07272.
50 – 70 m, SA12272.

Global Service:

Voice: 4.8 kbps Mini-M voice.

Spot Beam Services:

Voice: 4.8 kbps Mini-M voice.
Fax: 9.6 kbps Group 3 fax.
Data: 9.6 kbps. Up to 40 kbps via V.42bis/V.44 data compression.
MPDS: 64 kbps downstream / 28 kbps upstream, shared channel.

Antenna Connector:

50 Ω TNC female for transceiver.

Interfaces:

2 RJ-11 for 2-wire telephone/fax.
1 DSUB-15 for 4-wire handset.
1 50 Ω TNC female for antenna.
1 USB Port.
1 RJ-45 LAN Port, 10 Mbit.
1 DSUB-9 RS-232 Port, 115 kbps.
4 Discrete I/O.
1 Power Port, 24V.
1 On/Off button.

Power Supply and Consumption:

22-32 VDC, optional 12 VDC via inverter.
Max 4.5A@24VDC.

Environmental Conditions:

Ambient temperature:
-25-55 $^{\circ}$ C.
Relative Humidity:
95% non-condensing at +40 $^{\circ}$ C.

Vibration (antenna):

4-10 Hz 2.54 mm, 10-15 Hz 0.76 mm,
15-25 Hz 0.40 mm, 25-33 Hz 0.23 mm.

Mechanical Shock:

20g/11ms half-sine.

Ship Motions:

Roll +/-25 deg, Pitch +/-15 deg, Yaw +/-8 deg, Surge 0.2g, Sway +/-0.2g, Heave +/-0.5g, Turning Rate +/-12 deg/s, Headway 30 knots.

Dimension and Weight:

Antenna (TT-3008G):
356 x \varnothing 350 mm, 4.5 Kg.
Transceiver (TT-3038G):
53 x 377 x 153 mm, 1.9 Kg
Cradle (TT-3622C):
160 x 61 x 27 mm, 0.15 Kg.
Handset (TT-3620F):
200 x 52 x 33 mm, 0.25 Kg.

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