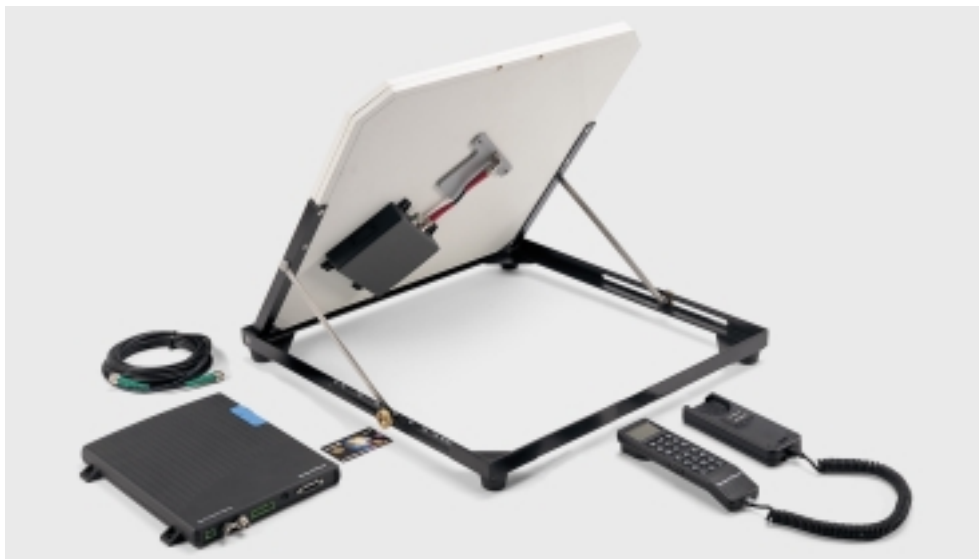


TT-3066A Capsat® Big Dish Telephone



Features

- Extremely power conserving Big Dish satellite phone for your world-wide calls, fax and data/e-mail messages.
- Waterproof high gain antenna.
- Includes handset and fax interface as well as a 2-wire phone port and Hayes comp. 2.4 kbps data port, each with an individual phone number.
- Auxiliary port can be used for connecting additional phone or fax /phone switch.
- Features 16 Khz debit tone for pay phone control.
- Low "Big Dish" call rates available.
- Compatible with TT-10224A Prepaid Terminal Management system.
- Optional STU-IIB/STU-III and picture transmission software packages.

Description

The TT-3066A Capsat® Big Dish Telephone is the ultimate choice for fixed phone installations. From the most remote areas it will offer instant and reliable interconnection to any destination in the world, whether for high quality calls, fax, data transfer, or e-mail messages and call-log print out.

The Capsat Big Dish Telephone interfaces to a wide range of DC power sources (from 10.5 to 32Vdc), which together with the extremely low power consumption makes it ideal for solar powered operation.

Due to the high gain antenna technology, the Capsat Big Dish Telephone can utilise the low call rates available from a wide range of Service Providers.

The Capsat Big Dish Telephone features a 16 KHz debit tone-pulse indicating

"called party connect" for use with pay phones connected to the auxiliary port.

The Capsat Big Dish Telephone provides an automatic call log system containing the last 100 calls, as well as the possibility to print a call-receipt every time a call is terminated via the serial printer interface.

The Big Dish antenna is fully sealed and can be mounted outdoors even in the harshest weather conditions. The antenna can be placed up to 70 meters from the main unit. To ease the installation the antenna is equipped with a Frame Mount bracket.

The Capsat Big Dish Telephone features various call-restrictive functions, making it the ideal solution for Rural Public Pay phones, Roadside Emergency Phones, Business Pay phones, and SCADA applications.

Specifications

General Specifications:

Meets or exceeds current and proposed INMARSAT specifications for Inmarsat-phone spot-beam operation.

Antenna:

Flat panel patch RHCP antenna. Manually adjustable elevation setting. Beam-width approx. 20°.

G/T:

Min. -7 dB/K.

EIRP:

8-14 dBW in 2 dB steps.

Antenna Cable:

TNC-TNC, max. cable loss 10 dB at L-Band, 1.8 Ω at DC.

Rx Freq. Band:

1525.0 MHz to 1559.0 MHz.

Tx Freq. Band:

1626.5 MHz to 1660.5 MHz.

Channel Spacing:

1.25 kHz.

Rx Modulation:

5.6 kbps O-QPSK SCPC (voice/fax/data), 6 kbps BPSK TDM.

Tx Modulation:

5.6 kbps O-QPSK SCPC (voice/fax/data), 3 kbps BPSK TDMA.

Voice:

4.8 kbps AMBE (3.6 kbps voice/1.2 kbps FEC).

Async. Data Rate:

Max. 2.4 kbps.

Phone Interface:

2-wire 600 Ω CCITT Rec. G.473, standard DTMF telephones, RJ-11 modular jacks.

Fax Interface:

2-wire 600 Ω CCITT Rec. G.473, T.30 Group-III Fax, max. 2.4 kbps, RJ-11 modular jack.

Data Interface:

Serial EIA standard RS-232E, built-in Hayes compatible modem, max. 19.2 kbps, DB-9 female connector.

Printer Interface:

Serial EIA standard RS-232E, max. 19.2 kbps, DB-9 female connector.

SIM Card:

GSM like operation, ISO-7816.

Ext. Microphone:

ø2.5 mm mono jack connector, bias supply 2.5Vdc.

Output for ext. Speaker:

8 Ω, >1Watt. ø3.5 mm mono jack connector.

Ignition Detect:

Opto-isolated input. PTR screw connector.

External Bell Interface:

RS410-type-N open collector output. Max. current 500mA. PTR screw connector.

Radio Mute:

RS410-type-N open collector output. Max. current 500mA. PTR screw connector.

Power Supply:

10.5-32.0 Vdc.

Power Consumption:

Rx 4.8 W, typical. Tx 7.2 W, typical. Maximum 9 W.

Ambient Temp.:

-25°C to +50°C operating, -40°C to +80°C storage.

Rel. Humidity:

95% non-condensing at +40°C.

EMC Emission and Immunity:

ETSI 300 339: Mobile equipment.

Spray (EME):

Solid droplets from any direction.

Icing (EME):

Up to 25mm of ice (no operation).

Rain (EME):

Up to 50mm/hour.

Wind (EME):

200 km/h relative wind speed (normal operation).

Vibration (EME):

5-20Hz 0.02g²/Hz, 20-150Hz -3dB/Oct (1.05g rms).

Shock:

Half sine, 20 g/11 msec (survival).

System List:

TT-3034B Mini-M Electronics Unit

Dimensions:

HxWxD, 25 mm x 268 mm x 211 mm.
Weight: 1.3 kg.

TT-3010C Front-end Dimensions:

H x W x D, 188 mm x 124 mm x 31 mm.
Weight: 0.95 kg.

TT-3007E High Gain Ant. Dimensions:

H x W x D, 568 mm x 570 mm x 558 mm.
Weight: 4 kg.

TT-3622A Mini-M Handset Cradle

Dimensions:

HxWxD, 160 mm x 61 mm x 27 mm.
Weight: 0.15 kg.

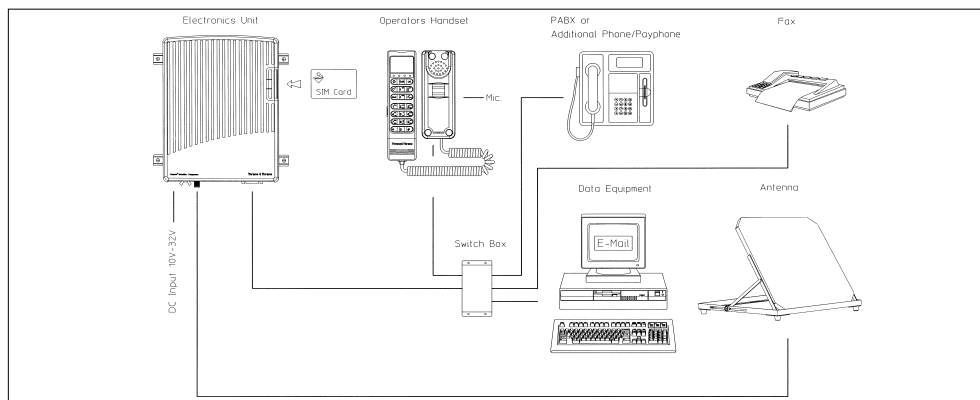
TT-3620C Mini-M Operators Handset

Dimensions:

HxWxD, 200 mm x 52 mm x 33 mm.
Weight: 0.25 kg.

■ Our products are under continuous research and development. This information may therefore be changed without prior notice.

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Distributor: