

TT-3060A Capsat® Mobile Telephone



Features

- Extremely light, compact and power conserving mobile telephone for world-wide transfer of your telephone calls, fax prints and data/e-mail messages.
- Built-in batteries and charger for true portable use, with 48 hours listen time and 2.5 hours talk time.
- Handset, fax/2-wire RJ-11 phone port and Hayes comp. 2.4 kbps data port each with their own call ID (4 in total).
- Removable true water tight and sealed antenna, with acoustic signal strength indicator.
- Secure and tailored operation via built-in SIM card reader.
- Optional STU-IIB/STU-III and picture transmission software packages.
- All magnesium lap-top sized, with a weight of less than 2.2 kg.

Description

The TT-3060A Inmarsat Mobile Telephone, will give you true independent and global interconnection to any destination in the world, being high quality telephone calls, fax prints, data transfer or e-mail messages.

Designed in a ruggedised all magnesium case, the TT-3060A will fulfill all your portable and fixed needs for a mobile telephone, extending your mobility from "GSM" coverage to true global coverage.

Due to the very compact design of the Capsat Mobile Telephone (occupying less than half of your normal briefcase), low weight and low power consumption (370mW typical in listen mode), the TT-3060A will be your very best choice for any mobile requirements, being travelling businessman, rescue activities, news gathering, construction site communications etc.

The TT-3060A is operated from the handset just like a normal GSM telephone, from the 2-wire DTMF phone interface, from a connected fax machine or from the data port using Hayes AT command sets.

The small and discrete flat panel antenna is sealed for true outdoor operation, and may be relocated up to 70 meters from the basic telephone. An optional antenna bracket allows you a semi-fix antenna installation during "office" hours. A built-in acoustic signal strength indicator simplifies the whole set-up.

The TT-3060A has a built-in NiCd battery for 48 hours listen time and approx. 2.5 hours talk time. Included is also a 9-18Vdc charger and a small external ac adapter.

Normal operation of the telephone is of course also possible during charging. An ac fast charger and spare battery packs are available as options.

Characteristics

General Specifications: Inmarsat-phone spot-beam operation. Meets or exceeds current and proposed specifications.

Antenna: Directional RHCP Patch Array with +/- 15 deg. beam width.
G/T: -17 dB/K minimum.

EIRP: 11-17 dBW in 2 dB steps.
Antenna Cable: SMB/SMB male, max. cable loss 10 dB at L-Band, 1.8 ohm at DC.

Operating Frequencies:
Receive 1525.0 - 1559.0 MHz,
Transmit 1626.5 - 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 ohm
CCITT Rec. G.473, standard DTMF
telephones, RJ-11 jack.

Fax Interface: 2-wire 600 ohm
CCITT

Rec. G.473, T.30 Group-III Fax,
max. 2.4 kbps, RJ-11 jack.

Data Interface: Serial EIA standard
RS-232E, Hayes compatible, 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.

Power Supply: 9-18Vdc, typical
370mW listen mode, 8W talk mode
and 20W in fax/data mode

Solar Panel Interface:
15-25V dc input.

Battery Capacity: Typical listen time
48 hours, talk time typical
150 min. and fax/data time 50 min.

Standard AC Adapter:
90-265 Vac, 40-70 Hz, 5 W,
charge time 5-6 hours.

Optional AC Adapter:
90-265 Vac, 40-70 Hz, 15 W,
charge time 2 hours.

Ambient temperature:
-25°C to 55°C operating,
-40°C to 80°C storage.

Relative humidity:
95% non-condensing at 40°C.

Vibration Survival:
Random 5-20 Hz 0.05 g² Hz,
20-150 Hz -3dB/Oct. (1.7g rms).
Shock: Half sine, 20g/11 ms.

Dimensions and Weight:
H x W x D, 52 mm x 270 mm x
200 mm., 2.2 kg (incl. handset,
battery pack and antenna)

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

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