



# TECHINFO

## RAMSAT

**RVP36 High Speed Data Terminal Adapter for Inmarsat MES/SES satellite terminals with RS449 data interface. Converts a synchronous data interface to asynchronous communication standards.**

### General:

RAMSAT high performance interface converters makes satellite communication as easy as any communication on a terrestrial ISDN line.

### Advantages:

Very easy setup and zero maintainance makes it an excellent alternative to router installations.

### Compatibility:

RAMSAT adapters can be used with most B-terminals on the market without any special effort. Select a model with the appropriate interface (RS232 or RS449) and use fibre optic based models where long cables could degrade the performance.

### Applications:

Efficient Internet access or mail exchange.

Remote dial in network service.

Mobile fileexchange between home office and practically any site in the world.

### Features:

- ◆ External asynchronous Terminal Adapter for synchronous satellite terminal interfacing, using standard Windows9x/2000/NT modem installation, very easy to install and needs no maintainance.
- ◆ Efficient transfer protocols with very high performance. Asynchronous PPP for Network and Internet dial up using standard Dial Up Network setup. HDLC or proprietary HASC protocol for efficient PC to PC data transfer.
- ◆ Asynchronous AT command control mode. Asynchronous to synchronous rate conversion in data mode.
- ◆ Dial up controlled by asynchronous AT commands, V25bis protocol or DTR controlled (Hotdial) on the synchronous side.
- ◆ Async to async rate conversion mode for alternative LSD/9600b/s interfacing.
- ◆ Physical small and a very robust design.
- ◆ Very low power consumption.

RVP36 is a high performance interface converter to be used for adaption between serial asynchronous and synchronous equipment. The converter interface has the functionality similar to ISDN Terminal Adapters for easy setup and is used with a standard Windows9x/NT modem installation converting any Inmarsat A or B MES with a HighSpeed Data port to look like an ISDN Terminal Adapter.

RVP36 is typical used to convert the synchronous data interface on a standard Inmarsat A or B MES type to an asynchronous ISDN compatible terminal adapter for any PC to dial into the terrestrial ISDN network by satellite.

The typical application for RAMSAT is a remote PC calling into Internet or other Network server for data/mail access or other information exchange. Another typical application is PC to PC data transfer by a satellite communication link or even remote network service.

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## Type RVP36

### Specifications:



#### Asynchronous Char Format:

10bit words: 1 start bit, 8 data bits , no parity, 1 stop bit (8N1)

#### Asynchronous Rate Setting:

Default switch setting and AT command controlled:

115200, 57600, 38400, 19200

#### Synchronous Rate Setting:

Controlled by external clock rating from 2.4 to 64kbit/s and is independent from asynchronous rate setting.

**Flow Control:** RTS/CTS (hardware)

**Dial Control:** AT command controlled V25bis protocol or DTR dial.

**Internal Protocols:** Async PPP (Internet), Transparent HDLC, RAMSAT HASC Transfer Protocol, Async/Async Rate conversion.

**LED Indicator:** Power On, DCD, TX/RX Data.

**Connectors:** Asynchronous Input: DB25S (female)

Synchronous Output: DB37P (male)

**Dimensions:** H x W x D: 67 x 130 x24 mm (2,6" x 5.1" x 0.9")

**Weight:** 2 x 0.16Kg. (0.7lb)

#### Accessories Included:

Mains adapter, DB37/DB37 extention cable, DB9/DB25 extension cable

Manual, Windows modem driver.

**EOTECH ApS**

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