RAMSAT RVP24

High Speed Data Terminal Adapters for Inmarsat MES/SES, A or B type.

Description:

RVP24 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 are used with a standard Windows9x/NT modem installation converting any Inmarsat A or B HSD terminal to look like an ISDN Terminal Adapter.

RVP 24 is typical used to convert the synchronous 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 dial facilities depends on the satellite MES terminal features but are typical DTR dialing or V25bis protocol controlled by ATD commands to the Ramsat unit.

The interface unit has different switchable modes of operation, which make it possible to adapt to different types of equipment and applications. As the typical application involves interfacing to communication equipment, dial up control is a vital part of the different modes.

Features:

- External adapter with easy setup and standard Windows9x/NT modem installation.
- Efficient transfer protocols with high throughput. HDLC or proprietary HASC for PC to PC data transfer. Async PPP for Network and Internet dial up by standard Dial Up Network setup. Async to async rate conversion mode (ASD).
- AT command control mode, async to sync rate conversion in data mode.
- Dial up control by ATD command, V25bis protocol or DTR controlled (Hotdial).
- Small physical and very robust design. Low power consumption.

Applications:

The typical application for RAMSAT is PC to PC data transfer by a satellite communication link or a PC calling into a Network server for data exchange or the Internet for mail or information exchange. The PC can be stand alone or part of a network (gateway).

The remote PC is typical interfaced to a mobile satellite terminal (MES) and another could be located at a fixed location (office) and connected to the terrestrial ISDN network by a Terminal Adapter (TA). The ISDN TA must be setup for async to sync conversion with HDLC transfer protocol or asynch PPP conversion, or it could have a synchronous interface similar to the mobile unit and have the async conversion done by another RAMSAT converter.

Connection and data transfer is controlled by the application (SW) and is only restricted by the choice of interface mode.

RAMSAT

Type RVP24

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 2.4 to 64kbit/s independent from

      asynchronous rate setting.

Flow Control: **RTS/CTS**

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 Data, RX Data.**

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

      Synchronous Output: DB25P (male)

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

Weight: **0.16Kg.   (0.35lb)**

Accessories Included:

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

      Manual, Windows Modem driver.

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