RA-64k/128k_V35-AC

Rate Adapter

FEATURES / BENEFITS

√ **Interface - Async/Sync RS-232 DB-25 Female, Sync V.35 MR-34 Female**

√ **Data Rates - Async/Sync is 4.8kbps to 115.2Kbps, Sync is 64kbps or 128Kbps**

√ **Allows low speed async/sync terminals to access high speed sync circuits**

√ **Options to force control signals**

√ **Optional RTS in-band to DCD, DSR or CTS with the data**

√ **Supports Async or Sync data**

√ **AC Mains powered 110 or 220 VAC**

√ **Sturdy Metal Enclosure**

DESCRIPTION

The RA-64/128K Rate Adapter allows low speed async/sync RS-232 DTE equipment to transmit over a high speed 64k or 128k sync communications link. The RA-64/128k devices are used in pairs, one at each end of the communications link or in multiples as when used in a multi-point or broadcast communications link. The RA-64/128k will support bi-directional or simplex data transmissions.

The RA-64/128k supports async character length of 8, 9, 10 and 11 bits, including the start and stop bit. The asynchronous interface is RS-232 and supports data rates of 4.8k, 9.6k, 19.2k, 38.4k, 57.6k or 115.2k. The synchronous data interface rate must be set at 64k or 128k and will support V.35.

The V.35 data interface will support both the old V.35 (+/-0 .5 volts) or newer V.35 (ITU recommendation V.11) ground to +3.8 volts. A DB-25 male to V.35 male 6 foot adapter cable is required for V.35 termination. The cable should be ordered under part number 712005.

The RA-64/128k has internal switch options to force control signals. Additionally, the user may set RTS to be in-band with the data to DCD, DSR or CTS. This is useful for networks that have no control signals passed.

The RA-64/128k is housed in a sturdy aluminum enclosure and is supplied with an internal linear power supply. The unit has a 110/120 VAC rotary select switch located on the rear of the housing. The unit can operate on standard power found in all countries.

The RA-64/128k has a three year warranty and a 24 hour turnaround on warranty repairs.

EAST COAST DATACOM, INC.

SPECIFICATIONS

Application
Interconnection of a low speed async/sync terminal or DTE device operating at 4.8k, 9.6k, 19.2k, 38.4k, 57.6k or 115.2k to a synchronous 64k or 128k modem or DCE device

Capacity
One terminal(DTE) and one modem(DCE)

Data Rates
RS-232: 4.8k, 9.6k, 19.2k, 38.4k and 57.6k or 115.2k(utilized on 128k only)
Sync: 64K or 128K

Data Channel Interfaces
Async/Sync: RS-232 on DB-25 Female
Sync: V.35 on MR-34 Female

Switches
Internal Switches for Baud Rate, Character Length, Control Signals, In-Band Control Signals, Crystal Setting

Enclosure
Metal: Aluminum

Power Source
100-120 to 200-220VAC @10%, 50/60Hz, 0.16/0.08A, external 110/220 volt select switch, IEC Power Inlet, (2) 5mm Fuses

Environmental
Operating Temperature....32º to 122º F (0º to 50º C)
Relative Humidity.............5 to 95% Non-Condensing
Altitude...........................0 to 10,000 feet

Dimensions
Height .... 1.75 inches (4.44 cm)
Width .... 7.90 inches (20.07 cm)
Length .... 9.00 inches (22.86 cm)

Weight
2 pounds (0.91 Kg)

Warranty
Three Years, Return To Factory

ORDERING INFORMATION
Model: RA-64/128k_V35-AC
Part Number: 177000
Description: RS-232 Async/Sync V.35 sync Rate Adapter, AC Powered

REQUIRED ADAPTER CABLE:
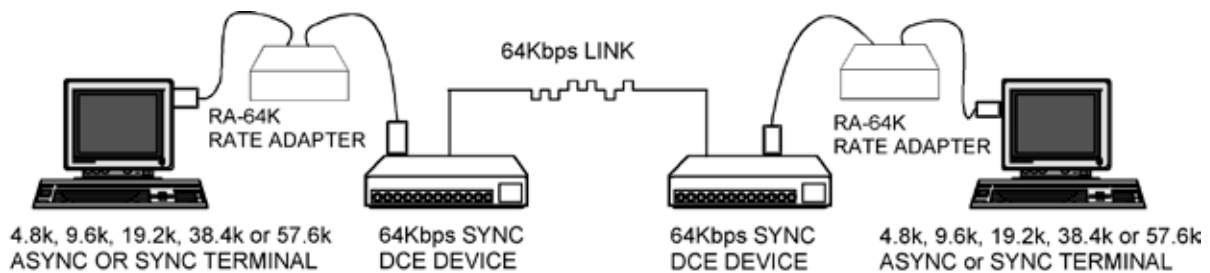Part Number:712005
Description:6 ft.,DB-25 to V.35 adapter cable
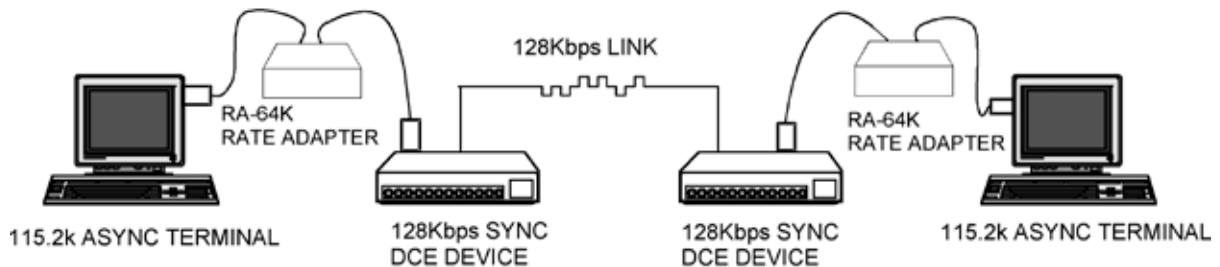
INCLUDED WITH EACH UNIT:
1) Operations Manual

For further detailed technical information on this product, contact East Coast Datacom Technical Assistance toll free at (800) 240-7948

OTHER PRODUCT OF RELATED INTEREST

Sync2IP: 2-Port Sync or Async to 10/100 LAN Adapter

64Kbps LINK

RA-64K RATE ADAPTER

RA-64K RATE ADAPTER

4.8k, 9.6k, 19.2k, 38.4k or 57.6k ASYNC OR SYNC TERMINAL

64Kbps SYNC DCE DEVICE

64Kbps SYNC DCE DEVICE

4.8k, 9.6k, 19.2k, 38.4k or 57.6k ASYNC or SYNC TERMINAL

64K APPLICATION DIAGRAM

128Kbps LINK

RA-64K RATE ADAPTER

RA-64K RATE ADAPTER

115.2k ASYNC TERMINAL

128Kbps SYNC DCE DEVICE

128Kbps SYNC DCE DEVICE

115.2k ASYNC TERMINAL

128K APPLICATION DIAGRAM