RA-64/128K
RATE ADAPTER

FEATURES / BENEFITS

√ **Interface - Async is RS-232 Sync is RS-422, RS-530, X.21 or V.35**

√ **Data Rates - Async is 9.6kbps, 19.2kbps, 38.4kbps, 57.6kbps or 115.2kbps Sync is 64kbps or 128kbps**

√ **Allows low speed async terminals to access high speed 64k or 128k sync circuits**

√ **Compact and easy to install**

√ **Line powered from data interfaces**

√ **Sturdy Metal Enclosure**

DESCRIPTION

The RA-64/128K Rate Adapter allows low speed async 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 9.6kbps, 19.2k, 38.4k, 57.6k or 115.2k. The synchronous data interface rate must be set at 64k or 128k and will support data interfaces of X.21, RS-422, RS-530 or optional V.35.

The RA-64/128k will support V.35 by ordering the unit under part number 147000. 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 derives its power through the async and sync data interfaces. The device utilizes leading edge technology for reliable, low power operation. The user should insure that the RA-64/128k has a minimum of three synchronous control signals available for proper operation.

The RA-64/128k is housed in a sturdy metal enclosure, has a three year warranty and a 24 hour turnaround on warranty repairs.

EAST COAST DATACOM, INC.

SPECIFICATIONS

Application
Interconnection of a low speed asynchronous terminal or DTE device operating at 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
Async: 9.6kbps, 19.2Kbps, 38.4Kbps and 57.6Kbps
Sync: 64k or 128k

Data Channel Interfaces
Async: RS-232
Sync: RS-422, X.21, RS-530 and V.35

Switches
Internal Switches for Baud Rate, Character Length and Crystal setting

Enclosure
Metal: Aluminum

Power Source
Line powered from data interfaces
Requires minimum of 3 control signals

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 .... 0.50 inches (1.27 cm)
Width .... 1.75 inches (4.44 cm)
Length .... 3.90 inches (9.91 cm)

Weight
1/2 pound (0.225 Kg)

Warranty
Three Years, Return To Factory

ORDERING INFORMATION
Model: RA-64/128k_V11
Part Number: 146000
Description: RS-232 Async(19.2k, 38.4k, 57.6k & 115.2k) to V.11 sync 64k or 128k Rate Adapter
* V.11 supports RS-422, X.21 and RS-530

Options for RA-64/128k_V11:
Part Number:712014
Description:6 ft.,DB-25 to X.21 adapter cable
Part Number:712015
Description:6 ft.,DB-25 to RS-422 adapter cable

Model: RA-64/128k_V35
Part Number: 147000
Description: RS-232 Async(19.2k, 38.4k, 57.6k & 115.2k) to V.35 sync 64k or 128k Rate Adapter
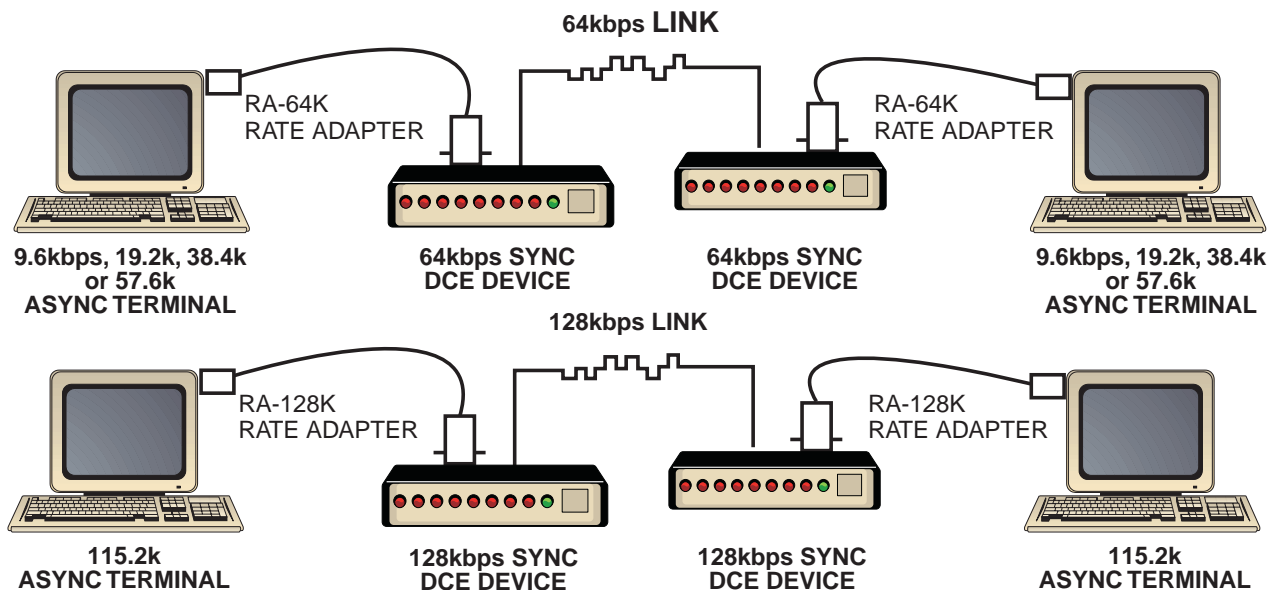
Options for RA-64/128k_V35:
Part Number:712005
Description:6 ft.,DB-25 to V.35 adapter cable

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

EAST COAST DATACOM DESIGNS AND MANUFACTURES DATA COMMUNICATION EQUIPMENT FOR YOUR NETWORK REQUIREMENTS.

64kbps LINK

RA-64K RATE ADAPTER — RA-64K RATE ADAPTER

9.6kbps, 19.2k, 38.4k or 57.6k ASYNC TERMINAL — **64kbps SYNC DCE DEVICE** — **64kbps SYNC DCE DEVICE** — **9.6kbps, 19.2k, 38.4k or 57.6k ASYNC TERMINAL**

128kbps LINK

RA-128K RATE ADAPTER — RA-128K RATE ADAPTER

115.2k ASYNC TERMINAL — **128kbps SYNC DCE DEVICE** — **128kbps SYNC DCE DEVICE** — **115.2k ASYNC TERMINAL**

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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