Model 217, RS422/V.11 Data Routing Hub

The Model 217 Data Routing Hub is intended for routing data communication and control signals between multiple RS422/V.11 users. The 217 is a Non-Blocking architecture, any port can be routed any one other port; no ports can be simultaneously shared with another route. Up to 32 independent routes can exist in the hub at any one time.

The 217 is a physical layer switch and is not protocol or rate sensitive. For example, one path can be operating at 64Kbps synchronously while another path is at 1200 baud asynchronously. All paths consist of four differential signals (Tx, Rx, Tx Clock and Rx Clock). Asynchronous users may use CTS, RTS in place of the clock signals. You may mix rates, encoding, formatting and even use custom variations.

The unit's front panel display permits local users to view and change routings, as well as checking the health and status of the chassis. A local lockout command inhibits front panel access. All functions and status are also accessible through the remote interfaces. A simple ACSII literal based command set allows quick and easy remote control of the unit.

Electrical	
Signal Ports	32
Data Rates	DC – 128KBPS
Port Signals	Four balanced differential signals, Two upstream (Tx, Tx Clock) Two downstream (Rx, Rx Clock)
Nominal Operating Signal Levels	+/- 2 to +/- 6 volts
Maximum Operating Signal Levels	+/- 7 volts
Switching Speed	1 mS
Driver Impedance	100 ohms balanced
Receiver Impedance	4K or 120 ohms balanced, user selectable
Primary Power	115/230VAC, 50/60Hz, 45 watts
Remote Control Interfaces	RS-574 (DTE) RS-485 (two wire) 10BaseT (RJ45)
Mechanical	
Chassis Size	2U (3.5")H x 19"W x 20"D
IO Connectors	Shielded RJ45
Environmental	
Operating Temperature	0 to +50 C

Configuration Information

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