DESCRIPTION

The Modem Sharing Device (MSD) products consist of 4 and 8 port units. The MSDs provide the network manager with a cost effective means of expanding existing, leased line polled networks without adding computer ports or communications links. With the MSD’s, up to eight terminals can share the same port and communications link using the contention and control protocols normally resident in the host hardware and software. Once installed, system and network efficiency are increased through higher host processor utilization coupled with the significant decrease in idle time between host / terminal traffic sessions.

Ideal for either synchronous or asynchronous network environments, the MSDs are protocol transparent at data rates up to 128Kbps. Data arriving at the Master Port is continually broadcast to all Subchannels. The attached terminal device that raises the RTS control signal is automatically given control of the MSD until data transmission is complete. Clocking is accomplished from the attached Modem.

The MSDs incorporate optional Anti-Streaming circuitry. If enabled, Anti-Streaming will automatically remove a defective terminal from service if the Data / Control criteria is present for the user predefined selection period.

Housed in a sturdy metal enclosure and equipped with an internal 110/220VAC switch selectable linear power supply, the MSDs will provide in excess of 100,000 hours of reliable service.

The MSDs have a three year warranty and a 24 hour turnaround on warranty repairs.

FEATURES / BENEFITS

√ Interface - EIA RS-232, CCITT V.24, DB-25 Female Connectors
√ Data Rates - Synchronous or Asynchronous up to 128Kbps
√ Anti-Streaming - Automatic or Manual for unattended Circuit Restoral
√ Individual Subchannel Enable/ Disable Switches
√ Visual Indication of Subchannel Activity
√ Receive Data - Broadcast to all Subchannels
√ Transparent to Data
√ Fully Cascadable
√ External Clocking
√ Sturdy Metal Enclosure
√ 110/220VAC Switch Selectable
√ +/- 15KV ESD Protection
### SPECIFICATIONS

**Application**  
Multiple Sync/Async terminal or DTE devices operating in a polled environment, to share one Modem

**Capacity**  
One to eight RS-232 Sync/Async devices

**Interface**  
EIA RS-232, CCITT V.24 using DB-25 female connectors, +/- 15KV ESD Protection

**Data Rates**  
Up to 128Kbps

**Data Format**  
Data transparent at all data rates

**Timing**  
External; from attached Modem

**Anti-Streaming**  
Automatic . . . Selectable time out intervals  
Disable . . . . Selectable via dip switch

**Terminal Service Modes**  
Scanning or Priority

**Front Panel**  
Indicators . . . Power, Transmit Data, Receive Data, Channel Active, Channel Stream  
Switches . . . . Enable/Disable of each Subchannel

**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

**Regulatory Approvals Tested According To**  
UL 60950-1:2003, CAN/CSA-C22.2 No. 60950-1:2003  
CE Safety EN60950 and CE EMC EN300-386-2

---

**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 (MSD-4 & MSD-8)**  
Height . . . . . . . . . . . . . .1.75 inches (4.44cm)  
Width . . . . . . . . . . . . . .13.35 inches (33.09 cm)  
Length . . . . . . . . . . . . . .9.00 inches (22.86 cm)

**Weight**  
MSD-4 and MSD-8 . . . . . . 4.5 pounds (2.1 Kg)

**Warranty**  
Three Years, Return to Factory

**ORDERING INFORMATION**  
Model: MSD-4  
Description: 4 Port Modem Sharing Device

Model: MSD-8  
Description: 8 Port Modem Sharing Device

**INCLUDED WITH EACH UNIT:**  
1) Operations Manual  
2) U.S.A. Grounded Power Cord, Part #713015  
3) Optional Power Cords  
   A) United Kingdom, Part #713016  
   B) Continental Europe, Part #713017  
   C) Other: Specify Country on Purchase Order