DSD-08A Data Sharing Device

Descriptions

The TAINET DSD-08A Data Sharing Device enables up to 8 modems or terminals to share a master modem or an access port in a multiple end-device environment. It operates with async or sync equipment at data rates up to 38.4 Kbps.

The TAINET DSD-08A supports three sources of transmit clock:

- Internal clock
- External clock from the main channel
- External clock from sub-channel 1

When external clock source is used, two sets of signals for Transmit Clock / Receive Clock (TC / RC) or External Clock (Exc) will be connected to each channel's TC/RC or Exc.

The DSD-08A's main channel broadcasts information to all sub-channels in parallel. However Sub-channels wait for their turn to transmit to the main channel by data transition or by combining with the RTS/DCD Activate, which is selectable on each channel. If a sub-channel is active, the sub-channel's transmit data and control signals will be connected to the main channel.

The RTS / CTS delay time can be individually selected on all DSD-08A's channels, including both the main and sub-channels. This is a very useful feature for the multi-layered, cascaded configuration. The DSD-08A can be installed either as a desk-top, standalone unit, or into a 19" rack.

Features

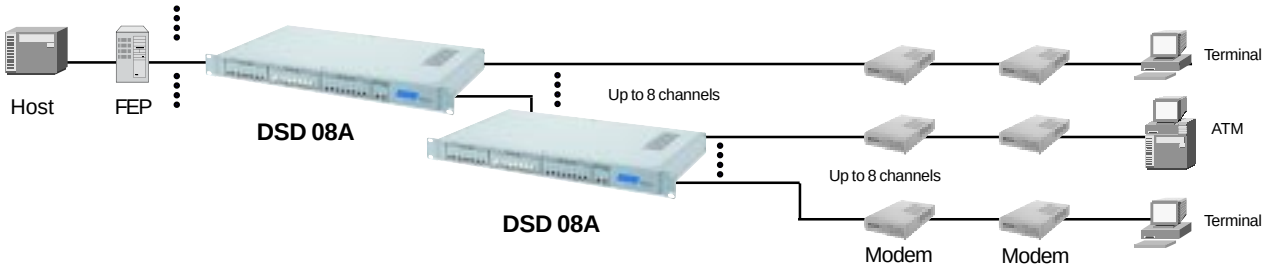
- Supports any rack-and-stack or cascaded configurations with up to 8 DTEs or DCEs per DSD-08A
- Synchronous or asynchronous transmission up to 38.4 Kbps
- Individual RTS / DCD data-clamp selection on each sub-channel
- Individual sub-channel disable switch
- DCE / DTE switch for the main and each sub-channel
- Selectable internal or external clock source
- Selectable RTS / CTS delay for each individual channel
- 1 RU high conserves space during rack installation
- User-friendly installation and configuration procedures

DSD-08A Data Sharing Device

Application Diagram

Modem Sharing Application

Port Sharing Application



Technical Specifications

Sub-channel
- Number: 8
- Selection: Via data contention or combining with RTS / DCD clamping
- Disable: Manually by front panel switches, automatically by selecting 30 / 60 /90 / 120 seconds

Transmit Clock Source
- Internal
- Externally derived from main channel
- Externally derived from sub-channel

Controls
- 8 manual sub-channel disabling switch
- 8 RTS / DCD data-clamp strap
- 9 RTS / CTS delay strap

Data Rates
- Asynchronous- Up to 38,400 bps
- Synchronous- Up to 38,400 bps
- Internal Clock- 1200, 2400, 4800, 7200, 9600, 14400, 16800, 19200 bps
- External Clock- Up to 64,000 bps

Input / Output Interface
- EIA RS-232C / CCITT V.24, DCE or DTE

Connectors
- 9 D-Type, 25-pin femaile

Indicators
- Data: Display data broadcast from main channel to sub-channels
- Activity: 8 LEDs indicate which sub-channel has gained access to main channel
- On: DSD-08A power on

Input / Output Interface
- EIA RS-232C / CCITT V.24, DCE or DTE**Power Requirements**
- AC source: 115/230 V
- Frequency: 47 ~ 63 Hz
- Consumption" 10 W

Dimensions and Weight
- 254 W x 480H x 44.5D mm, 3 Kg

Operating Environment
- Operating temperature: 0 °C ~ 50 °C
- Storage temperature: -25 °C ~ 70 °C
- Relative humidity: up to 95% (non-condensing)

Ordering Info

Basic Unit	Description
DSD-08A	8 ports data sharing device (110V AC)
DSD-08A	8 ports data sharing device (230V AC)

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