

PSP-1400-D

4-Port Asynchronous RS422/485 Module

Features

- 4-Port asynchronous communications
- RS422 / RS485 Compatible
- Internal “piggyback” installation on I/O card
- No additional PCI slots required
- Seamless integration with DSS
- Convenient mounting on DB9 back plate
- Integrated software driver support
- Plug-and-play module
- Independent configuration per channel
- Supported baud rates from 9600 to 115 200



The PSP-1400-D is “piggyback” mounted to the PIO-1000 I/O module



DB9 back plate



Two DB9 connectors mounted on a back plate

ISO-1002
Isolated RS485-RS422 Interface Board
(Optional, but recommended)
 Protects the PC internal circuits, including the PSP-1400 RS422/485 module, from high voltage transients and surges induced in the external RS422/RS485 lines.
 This protection is achieved by galvanic isolation plus Transient Voltage Suppressor (TVS) devices.

Description

The PSP-1400-D is a 4-port asynchronous, communications add-on module that is hardware and software compatible with the Digital Surveillance System (DSS) range of hardware, version 5039C or higher, using NETBSD 1.5.1 or higher.

The four COM ports can be configured separately for communications in RS422 or RS485. Each COM port has a dedicated set of jumpers to configure the operation mode. The PSP-1400-D is inserted into a dedicated connection port on the PIO-1000 input/output module. The advantage of this intuitive approach is that it alleviates the need for an additional PCI slot.

No additional software installation is required and the system auto detects that the module is present during boot up. The module integrates seamlessly with the DSS software and the software setup treats the newly included COM ports in the same manner as the existing, integrated COM ports. The new comports are addressed as COM ports 3 to 6.

The operational configuration is the same for the newly installed COM ports as with the integrated COM ports. The user has full access to the communication settings in software so that the module can be configured according to operational requirements.

The DB9 back plate is a mechanism for mounting the DB9 connectors into the computer rear panel, two per back plate.

Specifications

Model			
PSP-1400-D	4-Port Asynchronous RS422/485 Module, with two DB9 back plates		
General			
Ports:	4 Serial COM ports	Hardware Configuration:	Jumper Configurable
Transmission Type:	Asynchronous	Baud Rate:	9600 - 115 200
Transmission Distance:	RS 422:	1200 metres / 4000 Ft	
	RS 485:	1200 metres / 4000 Ft	

Ordering Information

Product Code	Description
PSP-1400-D	4-Port Asynchronous RS422/485 Module
ISO-1002	(Optional, but recommended) Isolated RS485-RS422 Interface Board