



relcomm, inc.

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***NOW AVAILABLE!* integrated Port Sharing Unit (i-PSU)**

Overview

The new RelComm, Inc. *integrated Port Sharing Unit (i-PSU)* is an asynchronous RS-232C and/or RS-422 Serial-In to Serial-Out Port Selector that can select one Host port from as many as 16 Devices.

The *i-PSU* provides the ability to support, and provide service to, multiple Device COM ports in a switched environment by automatically selecting a single active Device port for connection to a common Host.

The *i-PSU* can be configured RS232 on all ports, RS422 on all ports, or a combination of RS232 and RS422. All ports have DB25S (female) connectors. Configuration switches on all ports allow configuration to a Data Terminal Equipment (DTE) or Data Communications Equipment (DCE) port. There are no configurations needed to specify the operating serial parameters as the *i-PSU* does not have access to the serial communication channels themselves.

Operating modes (Standard Test Display, Lockout and Multiplexed Display) are selectable from the front panel. The device also has internal switches to specify local operating parameters and options.

Key Features

The key features include:

- Firmware upgradeable and fully user-programmable for specific functions and connection parameters.
- “*Scan Central*” locates an active device port for connection to the Host port.
- Port Display provides active port, as well as for additional special symbols, including Scan Time, Lockout, or Port address.
- Expansion ports provide up to 12 additional ports.
- DTE/DCE pin-outs and Arming Character are user configurable.
- Internal Loop-back assists fault isolation.

The *i-PSU* is available with factory default set-up, or may be customized per customer specifications.

Full Specifications

Note: measurements are shown in both English & (Metric)

Interface:	RS232/V.24, Full Duplex, Asynchronous and/or RS422/V.11, Full Duplex, Asynchronous
External Connectors:	Female DB25 (Master Port and Subordinate Ports)
External Controls:	MODE toggle switch; RESET push button switch
Internal Controls:	Many functional parameters are switch selectable, including: Port Configuration: DTE/DCE and Control Handshake configurable for each port; RS-232C and/or RS-422 Transceiver Loop-Back: Enable/Disable Switch Time Reset: Enable/Disable Power-On Port Selection: P0 – P16 Arming Character: (switch selectable by the user)
Indicators:	LED's for SCAN TIME & LOCK-OUT ; Bi-color LED's for Master Port DATA and CONTROL status; 7-segment Port Display for PORT ADDRESS and ACTIVITY SYMBOLS
Internal Connectors:	AS (Active Serial) and JTAG (Joint Test Action Group) for programming; AEX: ASIC signals access (future use); J6 – J8: 4-port expanders; P1: modem port; J9: modem power
Port Addressing:	Code in the data stream assigns/selects the port.
Power:	115/230 VAC (switch-selectable; fuse as specified), 50/60Hz, 11 watts
Humidity:	15% to 95% Non-condensing
Temperature:	<u>Operating:</u> +32° to 122° F. (0° to 50° C.) <u>Storage:</u> - 40° to 158° F. (-40° to 70° C.)
Enclosure:	a) Aluminum, NEMA Standard 19 inch rack mount b) Plastic, standalone (i-COS/4 or /8 only)
Size:	<u>Rack mount:</u> • i-COS/4 or /8: 19" W x 10.75" D x 3.5" H; (48.26 cm W x 27.31 cm D x 8.89 cm H); 2-RETMA vertical rack space • i-COS/12 or /16: 19" W) x 10.75" D x 5.25" H; (48.26 cm W x 27.31 cm D x 13.34 cm H); 3-RETMA vertical rack space <u>Standalone:</u> 12.25" W x 11.75" D x 2.5" H; (31.115 cm W x 29.845 cm D x 6.35 cm H)
Weight:	<u>Rack mount:</u> 5.5 pounds (2.5 kg) <u>Standalone:</u> 4.0 pounds (1.8 kg)

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