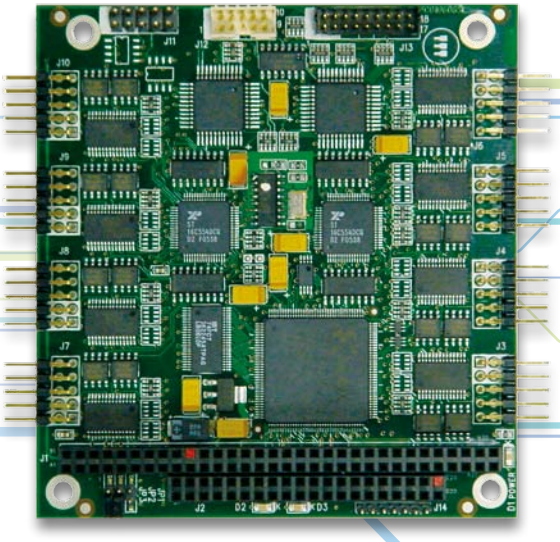
8 RS232/422/485 Serial Port Module w/ TTL CAN controller (RoHS)

COM-1274



FEATURES

Serial – 8 asynchronous RS232/422/485 serial ports (software configurable)

CAN – • Up to 2 CAN ports
• Intel® 82C527 chipset

Dimensions – Compliant with the PC/104 standard

BUS – ISA PC/104 compliant

Supported Operating Systems – WinCE®, WinXPE® and Linux®

Power Supply – Single +5V dc

The Eurotech COM-1274 is a fully RoHS compliant PC/104 module specifically developed forperforming advanced communication tasks in embedded systems.

It features 8 independent asynchronous serial channels and up to two Control Area Network (CAN)ports. For flexibility and high-speed transmission, the board's 16C550C serial ports operate at up to115 Kbaud and are configured in pairs via software as RS-232, RS-422 or RS-485.

The CAN interface supports the "CAN extended frame" mesasge format (CAN 2.0B protocol).
In order to meet the demands of high reliability in industrial environment, an optically isolated RS485physical CAN interface option is available.

COM-1274

Specifications

8 RS232/422/485 Serial Port Module w/ TTL CAN controller (RoHS)



Specifications

SERIAL:	• 8 asynchronous RS232/422/485 serial ports (software configurable) • Maximum programmable speed: 115 Kbaud • I/O controller: 16C550C • Connector type: 5x2 pin DIL 2.54mm pin-strip • IRQ : 2, 3, 4, 5, 7, 10, 11, 12, 14, 15
CAN:	• Up to two CAN ports • CAN Controller: Intel 82C527 • Onboard Interface: TTL • Connector type: 5x2 pin DIL 2.54mm pin-strip • Physical Interface: External RS485 transceiver

Physical Characteristics

DIMENSIONS:	90 x 96 mm (3.6" x 3.8")
HEIGHT:	15 mm (0.6")
POWER CONSUMPTION:	+5V, 100 mA typical
OPERATING TEMPERATURE:	0 ~ 70 °C (standard) –40 ~ +85 °C (extended)
HUMIDITY:	Up to 95% non-condensing
ROHS:	RoHS (2002/95/CE) Compliant Replacement for COM-1270

Accessories

External transceiver RS-485 for physical CAN interface

Options

Extended temperature version

Conformal coating

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