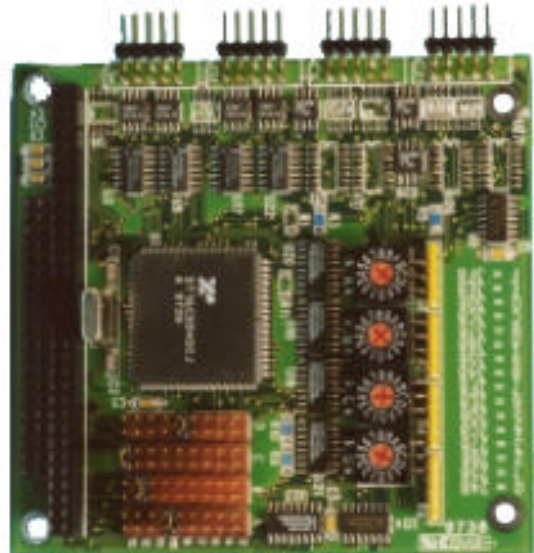# MICRONIX **PC/104** SERIAL INTERFACES
PV- SERIES 4-PORT RS232/RS422/RS485 MODULES

Micro Technic's advanced PV-series of PC/104 modules provide outstanding flexibility in serial communication. Micronix PV-interfaces let you customise your system to any given application of RS232, RS422 or RS485 data transmission. The PV-modules plug into any standard PC/104 bus interface. Any combination of interface standard can be selected, thus giving optimum performance to your system.

All signals are surge protected for industrial applications. The RS485 communication permits higher data rates, longer cable lengths and higher noise immunity than RS232 and also provides multidrop facilities. With the advanced high-speed 16C550 UART or super high-speed 16C650 UART with 16-byte FIFO, your industrial PC can communicate with other computers or peripherals at very high speeds. Four ribbon cables with DB-9 connectors are optional.

Non-Stackthrough or stackthrough (S-versions) connectors are available.

Features:

- Baud rate up to 115 Kbps or 460 Kbps (-H versions)
- 16C550 or 16C650 advanced UART with 16-byte FIFO
- Supports RS232 interface:TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
- Complete RS-232 Modem control signals, except RI
- RTS used for data direction control
- Interrupt selectable (IRQ 3,4,5,7,9,10,11,12 or 15)
- I/O-address selectable from 248H to 3F8H
- Surge protection to ± 8 kV according to IEC1000-4-2

- Supported by DOS and Windows
- Power requirements: +5VDC, 500mA typ.
- Operating temp.: 0 - 60° C
- Storage temp.: -20 - 60° C
- Relative humidity: 0 - 90%, non-condensing
- Dimensions: 95 x 90 x 18 mm
- PC/104 Stackthrough connectors (S-versions)
- Optional cables 10-pin header to DB-9, 20 cm

Model no. Description/Type

Model no.	Description/Type
PV-0301 [-H] [-S]	3xRS485 (2-wire) + 1xRS422
PV-0310 [-H] [-S]	3xRS485 (2-wire) + 1xRS485 (4-wire)
PV-1201 [-H] [-S] [-5V]	1xRS232, 2xRS485 (2-wire), 1xRS422
PV-1210 [-H] [-S] [-5V]	1xRS232, 2xRS485 (2-wire), 1xRS485 (4-wire)
PV-2002 [-H] [-S] [-5V]	2xRS232, 2xRS422
PV-2011 [-H] [-S] [-5V]	2xRS232, 1xRS485 (4-wire), 1xRS422
PV-2101 [-H] [-S] [-5V]	2xRS232, 1xRS485 (2-wire), 1xRS422
PV-2110 [-H] [-S] [-5V]	2xRS232, 1xRS485 (2-wire), 1xRS485 (4-wire)
PV-3001 [-H] [-S] [-5V]	3xRS232, 1xRS422
PV-3010 [-H] [-S] [-5V]	3xRS232, 1xRS485 (4-wire)
PV-4000 [-H] [-S] [-5V]	4xRS232

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