PCM-3618
PCM-3640/3641
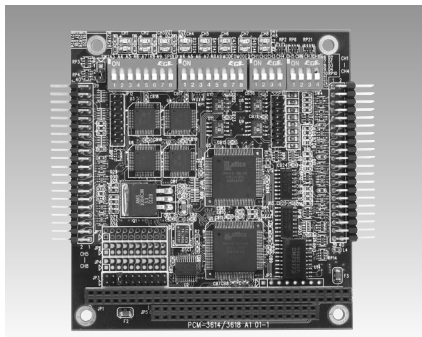# PCM-3680

8-port RS-422/485 High-Speed Module

4-port RS-232 High-Speed Module

Dual-port Isolated CAN Interface Module

PCM-3618   CE

PCM-3640/3641   CE
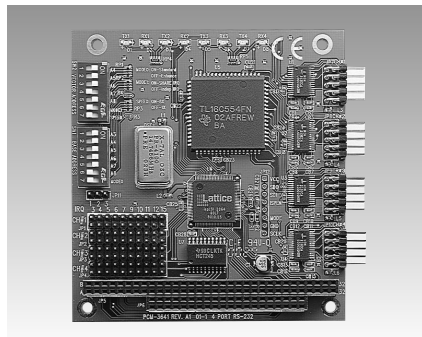
PCM-3680   CE

Features

- Eight Independent RS-422/485 serial ports
- Automatic RS-485 data flow control
- Transmission speeds up to 921.6 Kbps
- Shared IRQ settings for each ports
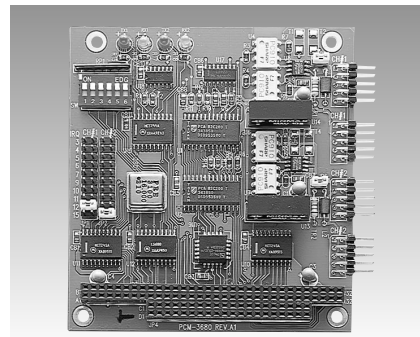- LED indicators: TX, RX

Features

- Transmission speeds up to 460 Kbps (PCM-3641)
- Shared IRQ settings for each of 4 RS-232 ports (PCM-3641)
- Standard PC ports: COM1, COM2, COM3, COM4 compatible
- Supports Windows 95/98/NT/2000/ME/CE, Linux (ICOM utility)

Features

- Operates two separate CAN networks at the same time
- High speed transmission up to 1 Mbps
- Direct memory mapping enables very fast access to the CAN controllers
- C library and examples included
- DOS Library, Utility included

Specifications

Number of Ports	8
I/O Address	0 x 000 ~ 0 x 3F8
IRQ	3, 4, 5, 6, 7, 9, 10, 11, 12, 15
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, even, odd
Speed (bps)	50 ~ 921.6 K
Connectors	Eight male DB-9
RS-422 Signal Support	TxD+, TxD-, RxD+, RxD-, CTS+, CTS-, RTS+ and RTS-
RS-485 Signal Support	DATA+, DATA-, CTS+, CTS-
Surge Protection	1000 V_{DC}
Built-in Termination Resistor	120 Ω
Power Consumption	+5 V @ 650 mA
Operating Temperature	0 ~ 65° C (IEC-68-1-1, 2) (32 ~ 149° F)
Storage Temperature	-25 ~ 80° C (-13 ~ 176° F)
Operating Humidity	0 ~ 90% relative humidity, non-condensing

Specifications

Number of Ports	4
I/O Address	0 x 0200 ~ 0 x 03F8
IRQ	3, 4, 5, 6, 7, 9, 10, 11, 12, 15
Data Bits	5, 6, 7, 8
Stop Bits	1, 1.5, 2
Parity	None, even, odd
Speed (bps)	50 ~ 460.3 K (PCM-3641) 50 ~ 115.2 K (PCM-3640)
Connectors	Four DB-9 male
Data Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
Power Consumption	+5 V @ 200 mA (Typical); +5 V @ 250 mA (Max.)
Operating Temperature	0 ~ 65° C (IEC-68-1-1, 2) (32 ~ 149° F)
Storage Temperature	-25 ~ 80° C (-13 ~ 176° F)
Operating Humidity	0 ~ 90 % relative humidity, non-condensing

Specifications

Port	2
CAN Controller	SIA-1000
CAN Transceiver	82C250
Signal Support	CAN_H, CAN_L
Memory Segment Base Address	From C800H to EF00I
IRQ	3, 4, 5, 6, 7, 9, 10, 11, 12 or 15
Isolation Voltage	1000 V_{DC}
Power Consumption	+5 V @ 400 mA
Connectors	Two DB-9 male connectors (cable included)
Operating Temperature	0 ~ 65° C (32 ~ 122° F)
Dimensions	90 x 96 mm (3.6" X 3.8")

Ordering Information

- **PCM-3618-A**   8-port RS-422/485 High-Speed module

Ordering Information

- **PCM-3641-A**   4-port RS-232 High-Speed module
- **PCM-3640-A**   4-port RS-232 module

Ordering Information

- **PCM-3680-A**   Dual-port Isolated CAN Interface Module