



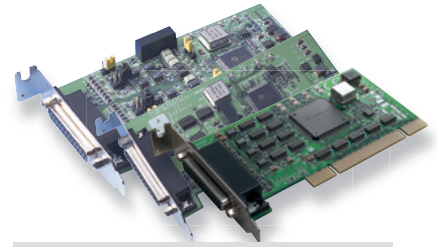
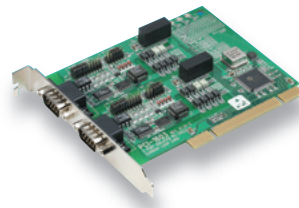
Series Communication Cards

BUS	Interface	Ports	Model
Universal Low profile PCI	RS-232	2	PCI-1604UP
		4	PCI-1610UP
	RS-422/485	2	PCI-1602UP
Universal PCI & PCI	RS-232	2	PCI-1603
		4	PCI-1610
		8	PCI-1620
	RS-422/485	2	PCI-1601/1602
		4	PCI-1611U
		8	PCI-1622CU
		4	PCI-1612
RS-232/422/485	4	PCI-1612	

BUS	Interface	Ports	Model
ISA	RS-232	2	PCL-741
		4	PCL-849
		8	PCL-858
	RS-422/485	2	PCL-743/745
		4	PCL-846
	RS-232/422/485	1	PCL-740
PC/104	RS-232	4	PCM-3640/3641
		2	PCM-3612
	RS-422/485	4	PCM-3614
		8	PCM-3618
	RS-232/422/485	2	PCM-3610

CAN Communication Cards

BUS	Interface	Ports	Model
UPCI	CAN	2	PCI-1680U
ISA	CAN	2	PCL-841
PC/104	CAN	2	PCM-3680



Model Name	PCI-1601/1602	PCI-1603	PCI-1602UP/1604UP/1610UP
Description	2-port RS-422/485 PCI COMM Card	2-port Isolated RS-232/Current-loop PCI COMM Card	2-port or 4-port RS-422/485 Low-Profile PCI COMM Card, w/Isolation and Surge Protection
Ports	2	2	2(PCI-1602UP), 4(PCI-1604UP), 8(PCI-1610UP)
Bus Interface	PCI bus spec. 2.1 compliant	PCI bus spec. 2.2 compliant	PCI bus Spec. 2.2 Compliant
Serial Interface	RS-422/485	RS-232/Current-loop	2-port RS-422/485 (PCI-1602UP) 2-port RS-232 (PCI-1604UP) 4-port RS-232 (PCI-1610UP)
IRQ		All ports use the same IRQ assigned by PCI Plug & Play	
Data Bits	5, 6, 7, 8	5, 6, 7, 8	5, 6, 7, 8
Stop Bits	1, 1.5, 2	1, 1.5, 2	1, 1.5, 2
Parity	None, even, odd	None, even, odd	None, even, odd
Communication Controller	16PCI952	16PCI952	16PCI952 (PCI-1602UP) 16PCI952 (PCI-1604UP) 16PCI954 (PCI-1610UP)
Speed	50 bps ~ 921.6 kbps	RS-232: 50 bps ~ 230.4 kbps Current-loop: 50 bps~57.6 kbps	50 bps ~ 921.6 kbps
Data Signals	TxD, RxD, RTS, CTS (RS-422/485)	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND (for RS-232) TX+, TX-, RX+, RX- (for Current loop)	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND, RI (for RS-232) (PCI-1610UP, PCI-1604UP) Tx+, Tx-, Rx+, Rx-, RTS+, RTS-, CTS+, CTS-, (for RS-422) (PCI-1602UP) Data+, Data-, (for RS-485) (PCI-1602UP)
Surge Protection	2,500V _{DC} (PCI-1601B/PCI-1602B only)	-	2,500 V _{DC}
ESD Protection	16 kV	16 kV	16 kV
Isolation Protection	3,000 V _{DC} (PCI-1602A/B only)	3,000 V _{DC}	2,500 V _{DC} (PCI-1602UP only)
Power Consumption	Typical Max PCI-1601 220 mA (+5 V) 270 mA (+5 V) PCI-1602 250 mA (+5 V) 300 mA (+5 V)	300 mA@5V	5 V @ 300 mA (MAX)
Dimensions	123 x 92 mm (4.8" x 3.6")	123 x 92 mm (4.8"x 3.6")	119.91 x 64.41 mm (4.7" x 2.5")
Connectors	Dual male DB9	Dual male DB9	DB25(F,PCI-1602UP, PCI-1604UP),DB44(F,PCI-1610UP)
Operating Temperature	0 ~ 65° C (refer to IEC 68-2-1, 2), (32 ~ 149° F)		0 ~ 65° C (refer to IEC 68-2-1, 2) (32 ~ 149° F)
Operating Humidity	5 ~ 95 % Relative Humidity, non-condensing (refer to IEC 68-2-3)		
Storage Temperature	-25 ~ 85° C (-13 ~ 185° F)		
Universal PCI	-	Yes	Yes
Drivers Supported	Windows® 98/ME/2000/XP/Linux		

Ordering Information

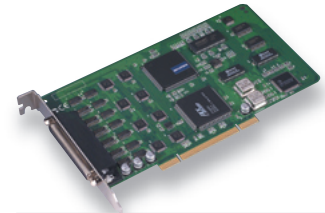
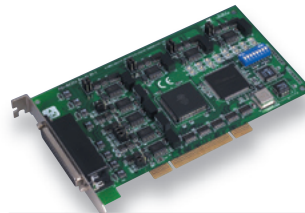
Model Name	Description
PCI-1601A	2-port RS-422/485 PCI Comm.card
PCI-1601B	2-port RS-422/485 PCI Comm.card, w/surge protection
PCI-1602A	2-port RS-422/485 PCI Comm. card, w/isolation protection
PCI-1602B	2-port RS-422/485 PCI Comm. Card, w/isolation and surge protection
PCI-1603	2-port Isolated RS-232/Current-loop PCI COMM Card
PCI-1602UP	2-port RS-422/485 Low-Profile Universal PCI COMM Card, w/Isolation and Surge Protection (30cm DB25 to 2 DB9 cable included)
PCI-1604UP	2-port RS-232 Low-Profile Universal PCI COMM Card, w/Surge Protection (30cm DB25 to 2 DB9 cable included)
PCI-1610UP	4-port RS-232 Low-Profile Universal PCI COMM Card, w/Surge Protection (30cm DB44 to 4 DB9 cable included)
PCI-1610AUP	4-port RS-232 Low-Profile Universal PCI COMM Card (30cm DB44 to 4 DB9 cable included)



Model Name	PCI-1610	PCI-1611U	PCI-1612
Description	4-port RS-232 PCI COMM Card	4-port RS-422/485 Universal PCI COMM Card, w/Isolation & Surge Protection	4-port RS-232/422/485 PCI COMM Card
Ports	4	4	4
Bus Interface	PCI bus specification 2.1 (PCI-1610A/1610B), 2.2 (PCI-1610CU) compliant	PCI bus specification 2.2 compliant	PCI bus specification 2.1 (PCI-1612A/1612B), 2.2 (PCI-1612U/1612AU/1612CU) compliant
Serial Support	RS-232	RS-422/485	RS-232/422/485
IRQ	All ports use the same IRQ assigned by PCI Plug & Play		
Data Bits	5, 6, 7, 8	5, 6, 7, 8	5, 6, 7, 8
Stop Bits	1, 1.5, 2	1, 1.5, 2	1, 1.5, 2
Parity	None, even, odd	None, even, odd	None, even, odd
Communication Controller	16PCI954	16PCI954	16PCI954
Speed	50 bps ~ 921.6 kbps	50 bps ~ 921.6 kbps	50 bps ~ 921.6 kbps
Data Signals	TxD, RxD, RTS, CTS, DTR, DSR,DCD, GND, RI	TxD, RxD, RTS, CTS (for RS-422/485)	TxD, RxD, RTS, CTS, DTR, DSR,DCD, RI GND(for RS-232) TxD, RxD, RTS, CTS (for RS-422/485)
Surge Protection	2,500 V _{dc} (PCI-1610B/1610CU only)	2,500 V _{dc}	2,500 V _{dc} (PCI-1612B/1612U/1612CU only)
ESD Protection	16 kV	16 kV	16 kV
Isolation Protection	2,500 V _{dc} (PCI-1610CU only)	2,000 V _{dc}	2,500 V _{dc} (PCI-1612CU only)
Power Consumption:	Typical +12 V: 60 mA, +5 V: 150 mA, Max +12 V: 80 mA, +5 V: 180 mA	600 mA @ 5 V	Typical +12 V: 60 mA, +5 V: 270 mA Max. +12 V: 80 mA, +5 V: 338 mA
Dimensions	123 x 92 mm (4.8" x 3.6") (for 1610A and PCI-1610B) 185 x 100 mm (7.3" x 3.9") (for PCI-1610CU)	185 x 100 mm (7.3" x 3.9")	
Connectors	DB37(F)	DB37(F)	DB37(F)
Operating Temperature	0 ~ 65° C (refer to IEC 68-2-1, 2), (32 ~ 149° F)		
Operating Humidity	5 ~ 95 % Relative Humidity, non-condensing (refer to IEC 68-2-3)		
Storage Temperature	-25 ~ 85° C (-13 ~ 185° F)		
Drivers Supported	Windows® 98/ME/2000/XP/Linux		

Ordering Information

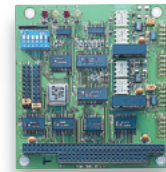
Model Name	Description
PCI-1612A	4-port RS-232/422/485 PCI Comm. Card (30cm DB37 to 4 DB25 cable included)
PCI-1612A/9	4-port RS-232/422/485 PCI Comm. Card w/isolation & surge protection (30cm DB37 to 4 DB9 cable included)
PCI-1612B	4-port RS-232/422/485 PCI Comm. Card w/surge protection (30cm DB37 to 4 DB25 cable included)
PCI-1612B/9	4-port RS-232/422/485 PCI Comm. Card w/surge protection (30cm DB37 to 4 DB9 cable included)
PCI-1612U	4-port RS-232/422/485 Universal PCI Comm. Card w/surge protection (30cm DB37 to 4 DB25 cable included)
PCI-1612U/9	4-port RS-232/422/485 Universal PCI Comm. Card w/surge protection (30cm DB37 to 4 DB9 cable included)
PCI-1612AU	4-port RS-232/422/485 Universal Comm. Card (30cm DB37 to 4 DB25 cable included)
PCI-1612AU/9	4-port RS-232/422/485 Universal Comm. Card (30cm DB37 to 4 DB9 cable included)
PCI-1612CU	4-port RS-232/422/485 Universal PCI Comm. Card w/isolation & surge protection (30cm DB37 to 4 DB25 cable included)
PCI-1612CU/9	4-port RS-232/422/485 Universal PCI Comm. Card w/isolation & surge protection (30cm DB37 to 4 DB9 cable included)
PCI-1610A	4-port RS-232 PCI Comm. Card (30cm DB37 to 4 DB25 cable included)
PCI-1610A/9	4-port RS-232 PCI Comm. Card (30cm DB37 to 4 DB9 cable included)
PCI-1610B	4-port RS-232 PCI Comm. Card w/surge protection (30cm DB37 to 4 DB25 cable included)
PCI-1610B/9	4-port RS-232 PCI Comm. Card w/surge protection (30cm DB37 to 4 DB9 cable included)
PCI-1610CU	4-port RS-232 PCI Comm. Card w/isolation & surge protection (30cm DB37 to 4 DB25 cable included)
PCI-1610CU/9	4-port RS-232 PCI Comm. Card w/isolation & surge protection (30cm DB37 to 4 DB9 cable included)
PCI-1611U	4-port RS-422/485 Universal PCI Comm. Card, w/isolation & surge protection (30cm DB37 to 4 DB25 cable included)
PCI-1611U/9	4-port RS-422/485 Universal PCI Comm. Card, w/isolation & surge protection (30cm DB37 to 4 DB9 cable included)
OPT4A	30cm DB-37 to 4 male DB9 cable



Model Name	PCI-1620	PCI-1622CU	PCI-1625U
Description	8-port RS-232 PCI COMM Card	8-port RS-422/485 Universal PCI COMM Card, w/Isolation & Surge Protection	8-port Intelligent RS-232 Universal PCI COMM Card
Ports	8	8	8
Bus Interface	PCI bus spec. 2.1, 2.2 (PCI-1620U/1620AU) compliant	PCI bus spec. 2.2 compliant	PCI bus spec. 2.2 compliant
Memory	-	-	1MByte
Serial Interface	RS-232	8-port RS-422/485	8-port RS-232
Connectors	DB62(F)	DB78(F)	DB62(F)
IRQ		All ports use the same IRQ assigned by PCI Plug & Play	
Processor	-	-	TMS320C5402 RISC Processor
Data Bits	5, 6, 7, 8	5, 6, 7, 8	5, 6, 7, 8
Stop Bits	1, 1.5, 2	1, 1.5, 2	1, 1.5, 2
Parity	None, even, odd	None, even, odd	None, even, odd
Communication Controller	16PCI954 + 16C954	16PCI954 + 16C954	8x16C550
Speed	50 bps ~ 921.6 kbps	50 bps ~ 921.6 kbps	50 bps ~ 921.6 kbps
Data Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND (for RS-232)	TX+, TX-, RX+, RX-, RTS+, RTS-, CTS+, CTS- (for RS-422) DATA+, DATA- (for RS-485)	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
Surge Protection	3,000 V _{DC} (PCI-1620B), 2,500 V _{DC} (PCI-1620U)	2,500 V _{DC}	-
ESD Protection	16 kV	16 kV	16 kV
Isolation Protection	-	2,500 V _{DC}	-
Power Consumption	Typical +12 V: 120 mA +5 V: 180 mA Max +12 V: 150 mA +5 V: 220 mA	5V @ 400mA(Max.)	Typical: 504mA, Max.: 558mA
Dimensions	185 x 100 mm (7.3" x 3.9")	185x100 mm (7.3" x 3.9")	185 x 100 mm(7.3"x3.9")
Operating Temperature	0 ~ 65° C (refer to IEC 68-2-1, 2), (32 ~ 149° F)	0 ~ 65° C (refer to IEC 68-2-1,2) (32 ~ 149° F)	0 ~ 60° C (32 ~ 140° F)
Operating Humidity	5 ~ 95 % Relative Humidity, non-condensing (refer to IEC 68-2-3)		
Storage Temperature	-25 ~ 85°c (-13 ~ 185°F)		
Universal PCI	-		Yes
Drivers Supported	Windows® 98/ME/2000/XP/Linux		

Ordering Information

Model Name	Description
PCI-1620A	8-port RS-232 PCI Comm. Card
PCI-1620B	8-port RS-232 PCI Comm. Card w/surge protection
PCI-1620U	8-port RS-232 Universal PCI Comm. Card w/surge protection
PCI-1620AU	8-port RS-232 Universal PCI Comm. Card
PCI-1622CU	8-port RS-422/485 Universal PCI COMM Card, w/Isolation & Surge Protection
PCI-1625U	8-port Intelligent RS-232/422 Universal PCI Communication Card
OPT8AP	8-port RS-232 (DCE) connection box with female DB25 connectors
OPT8BP	8-port RS-232 (DTE) connection box with male DB25 connectors
OPT8C	8-port RS-232 cable with male DB62 to DB25 connector (1m)
OPT8H	8-port RS-232 cable with male DB62 to DB9 connector (1m)
OPT8I	1m DB78 to 8 DB25 cable
OPT8J	1m DB78 to 8 DB9 cable

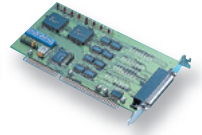
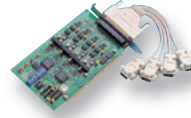
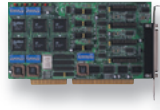
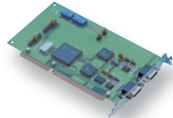
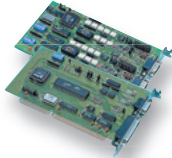


Model Name	PCI-1680U	PCL-841	PCM-3680
Description	2-Port CAN Interface Universal PCI COMM Card w/ Isolation	Dual-port Isolated CAN-bus Interface Card	Dual-port Isolated CAN Interface Module
Ports	2	2	2
Bus Interface	PCI bus spec. 2.2 compliant	-	-
Protocol		CAN 2.0 A/B	
CAN Controller		SJA-1000	
CAN Transceiver	82C250	82C250	82C250
Signal Support	CAN_H, CAN_L	CAN_H, CAN_L	CAN_H, CAN_L
Speed	1 Mbps	1 Mbps	1 Mbps
Memory Segment Base Address	-	From C800H to EF00H	From C800H to EF00H
IRQ	All parts use the same IRQ assigned by PCI Plug & Play	3,4,5,6,7,9,10,11,12 or 15	3,4,5,6,7,9,10,11,12 or 15
Isolation	1,000 V _{DC}	1,000 V _{DC}	1,000 V _{DC}
Power Consumption	5V@400mA (Typical)	+5V@400mA (Typical), 950mA max.	+5V@400mA
Connectors	Dual DB9(M)	Dual DB9(M)	Dual DB9(M)
Dimensions	185x100 mm (7.3"x3.9")	185x100 mm (7.3"x3.9")	90x96 mm (3.6"x3.8")
Operating Temperature	0~65° C (refer to IEC 68-2-1, 2)(32~149° F)	0~50° C ((32~122° F)	0~65° C ((32~149° F)
Storage Temperature	-25~85° C (-13~185° F)	-25~85° C (-13~185° F)	-25~85° C(-13~185° F)
Operating Humidity	5 ~ 95% Relative humidity, non-condensing (refer to IEC 68-2-3)		
Shipping Weight	0.6 kg (1.3lb)	0.6 kg (1.3lb)	0.6 kg (1.3lb)
Drivers Supported	Windows® 95/98/2000/XP/WinCE 4.2/Linux	Windows® 95/98/2000/XP/WinCE 4.2/Linux	Windows® 95/98/2000/XP/WinCE 4.2/Linux

Ordering Information

Model Name	Description
PCI-1680U	2-port CAN Interface Universal PCI COMM Card w/Isolation Protection
PCL-841	Dual-port Isolated CAN-bus Interface Card
PCM-3680	Dual-port Isolated CAN-bus Interface Module

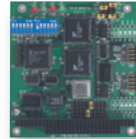
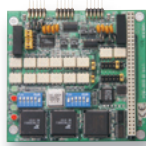
Communication Cards Solutions



Model Name	PCL-740/741	PCL-743/745	PCL-746+	PCL-846	PCL-849	PCL-858
Description	RS-232/422/485/Current-loop COMM cards (Isolated Dual-port: PCL-741)	2-port High-speed RS-422/485 Comm Cards (w/Isolation: PCL-745)	4-port RS-232/422/485 COMM Card	4-port High-speed RS-422/485 COMM card	4-port RS-232 COMM card	8-port High-speed RS-232 COMM card
Bus Interface	ISA	ISA	ISA	ISA	ISA	ISA
Ports	1	2	4	4	4	8
Serial Interface	RS-232/422/485/current-loop (PCL-740) RS-232 (PCL-741)	RS-422/485	RS-232/422/485	RS-422/485	RS-232	RS-232
Communication controller	16C550 (PCL-740), 2x16C550 (PCL-741)	2x16C550	4x16C550	4x16C550	1x16C554 (PCL-849A/B/L) 1x16C654 (PCL-849+)	2x16C554
Speed	50 bps~115.2 kbps (PCL-740), 50 bps~57.6 kbps (PCL-741)	50 bps~921.6 kbps	50 bps~115.2 kbps	50 bps~921.6 kbps	50~921.6 kbps (PCL-849A), 50~307.2 kbps (PCL-849B/+), 50~115.2 kbps (PCL-849L)	50 bps~921.6 kbps
Signal Support	TxD, RxD, CTS, RTS, DTR, DSR, DCD, RI, GND (RS-232) TxD+, RxD+, TxD-, RxD- (Current-loop)	TxD+, TxD-, RxD+, RxD-, CTS+, CTS-, RTS+ and RTS-	TxD, RxD, CTS, RTS, DTR, DSR, DCD, RI, GND (RS-232) TxD+, TxD-, RxD+, RxD-, CTS+, CTS-, RTS+, RTS- (RS-422) DATA+, DATA- (RS-485)	TxD+, TxD-, RxD+, RxD-, CTS+, CTS-, RTS+ and RTS-	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
I/O Address	From 200H to 3F8H	From 200H to 3F8H	From 000H to 3F8H	From 200H to 3F8H	From 200H to 3F8H	From 000H to 2FFH
IRQ	3,4,5,6,7,9,10,11,12 or 15	3,4,5,6,7,9,10,11,12 or 15	3,4,5,7,9,10,11,12 or 15	3,4,5,6,7,9,10,11,12 or 15	3,4,5,6,7,9,10,11,12,15	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 and odd		
Isolation Voltage	2,500 V _{DC} (PCL-741)	3,000 V _{DC} (PCL-745B/S)	-	1,000 V _{DC}	-	-
Surge Protection	-	2,500 V _{DC} (PCL-743S/745S)	-	2,000 V _{DC} (PCL-846B)	3,000 V _{DC} (PCL-849B/+)	3,000 V _{DC} (PCL-858B)
Power Consumption	* PCL-740: +5V@180 mA max., ±12V@20mA max. * PCL-741: +5V@300 mA (typical), +5V@1.1A max.	+5V@400 mA (typical), 950 mA max.	+5V@ 800 mA typical, 1.5 A max. ±12V@60mA typical, 120 mA max.	+5V@970 mA (typical), 1.2 A max.	+5V@ 250 mA typical, 500 mA max. ±12V@ 70mA typical, 120 mA max.	+5V@ 450 mA typical, 950 mA max. ±12V@ 140mA typical, 240 mA max.
Connectors	DB9(M)&DB25(M) (PCL-740) Dual Male DB9 (PCL-741)	Dual DB9(M)	DB37(F)	DB37(F)	DB37(F)	DB62(F)
Operating Temp.	0~50° C (32~122° F)	0~65° C (32~149° F)	0~50° C (32~122° F)	0~60° C (32~140° F)	0~60° C (32~140° F)	0~60° C (32~140° F)
Storage Temp.				-25~80° C (-13~176° F)		
Dimensions				185 x 100 mm (7.3"x3.9")		
Drivers Supported				Windows® 98/2000/XP/Linux		

Ordering Information

Model Name	Description
PCL-740	RS-232/422/485/Current-loop serial interface card
PCL-741	Isolated dual-port RS-232/Current-loop interface card
PCL-743B	2-port RS-422/485 COMM card
PCL-743S	2-port RS-422/485 COMM card w/surge protection
PCL-745B	2-port RS-422/485 COMM card w/isolation protection
PCL-745S	2-port RS-422/485 COMM card w/isolation and surge protection
PCL-746+	4-port serial interface card (30cm DB37 to 4 DB25 cable included)
PCL-746+/9	4-port serial interface card (30cm DB37 to 4 DB9 cable included)
PCL-846A	4-port RS-422/485 interface card w/isolation protection (30cm DB37 to 4 DB9 cable included)
PCL-846B	4-port RS-422/485 interface card w/isolation & surge protection (30cm DB37 to 4 DB9 cable included)
PCL-849A	4-port high-speed RS-232 interface card (30cm DB37 to 4 DB25 cable included)
PCL-849A/9	4-port high-speed RS-232 interface card (30cm DB37 to 4 DB9 cable included)
PCL-849B	4-port high-speed RS-232 interface card w/surge protection (30cm DB37 to 4 DB25 cable included)
PCL-849B/9	4-port high-speed RS-232 interface card w/surge protection (30cm DB37 to 4 DB9 cable included)
PCL-849+	4-port high-speed RS-232 interface card w/surge protection and 16C654 UART (30cm DB37 to 4 DB25 cable included)
PCL-849+/9	4-port high-speed RS-232 interface card w/surge protection and 16C654 UART (30cm DB37 to 4 DB9 cable included)



Model Name	PCM-3610	PCM-3612	PCM-3614	PCM-3618	PCM-3640/41
Description	Isolated RS-232/422/485 Module	2-port RS-422/485 Module	4-port RS-422/485 High-speed Module	8-port RS-422/485 High-speed Module	4-port RS-232 High-speed Module
Ports	2 (Port 1 for RS-232/422/485, Port 2 for RS-422/485)	2	4	8	4
Serial Interface	RS-232/422/485	RS-422/485	RS-422/485	RS-422/485	RS-232
BUS Interface	PC/104	PC/104	PC/104	PC/104	PC/104
Speed	50 bps ~ 115.2 kbps	50 bps ~ 115.2 kbps	50 bps ~ 921.6 kbps	50 bps ~ 921.6 kbps	50 bps ~ 460.3 kbps (PCM-3641) 50 bps ~ 115.2 kbps (PCM-3640)
Data Bits	5,6,7 or 8 bits	5,6,7 or 8 bits	5,6,7 or 8 bits	5,6,7 or 8 bits	5,6,7 or 8 bits
Parity	Even, odd or none	Even, odd or none	Even, odd or none	Even, odd and none	Even, odd and none
Stop Bits	1, 1.5, 2	1, 1.5, 2	1, 1.5, 2	1, 1.5, 2	1, 1.5, 2
Interrupt Level	3,4,5,6,7,9	3,4,5,6,7,9,10,11,12 or 15	3,4,5,6,7,9,10,11,12 ,15	3,4,5,6,7,9,10,11,12 ,15	3,4,5,6,7,9 (PCM-3640) 3,4,5,6,7,9,10,11,12,15 (PCM-3641)
I/O Address	0x200 ~ 0x3F8	0x200 ~ 0x3F8	0x000 ~ 0x3F8	0x000 ~ 0x3F8	0x0200~0x03F8
Power Consumption	+5V@ 400 mA typical ±12V@ 950mA max.	+5V@ 400 mA typical ±12V@ 950mA max.	+5V @ 450 mA	+5V @ 650 mA	+5V @ 200 mA (typical); +5V @ 250mA (max.)
Isolation	1,000 V _{DC}	-	-	-	-
Surge Protection	-	-	1,000 V _{DC}	1,000 V _{DC}	-
Operating Temp.	0~65° C (IEC-68-1-1,2) (32~149° F)				
Storage Temp.	-40~85° C (-40~185° F)	-40~85° C (-40~185° F)	-40~85° C (-40~185° F)	-25~80° C (-13~176° F)	-25~80° C (-13~176° F)
Operating Humidity	0~90% relative humidity, non-condensing	0~90% relative humidity, non-condensing	0~90% relative humidity, non-condensing	0~90% relative humidity, non-condensing	0~90% relative humidity, non-condensing
Connectors	Dual male DB9	Dual male DB9	Four male DB9	Eight male DB9	Four male DB9
Signal Support	TxD, RxD, CTS, RTS, DTR, DSR, DCD, RI, GND (RS-232) DATA+, DATA-(RS-485) TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-(R-422)	DATA+, DATA-(RS-485) TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-(RS-422)	DATA+, DATA-(RS-485) TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-(RS-422)	DATA+, DATA-(RS-485) TxD+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-(RS-422)	TxD, RxD, CTS, RTS, DTR, DSR, DCD, RI, GND (RS-232)
Communication Controllers	16C550	16C550 x2	16C550 x4	16C550 x8	16C554
Drivers Supported	Windows® 98/2000/XP/ WinCE 3.0/4.2	Windows® 98/2000/XP/ WinCE 3.0/4.2	Windows® 98/2000/XP/ WinCE 4.2	Windows® 98/2000/XP/ WinCE 4.2	Windows® 98/2000/XP/ WinCE 3.0/4.2

Ordering Information

Model Name	Description
PCL-849L	4-port RS-232 interface card (30cm DB37 to 4 DB25 cable included)
PCL-849L/9	4-port RS-232 interface card (30cm DB37 to 4 DB9 cable included)
PCL-858A	8-port high-speed RS-232 interface card
PCL-858B	8-port high-speed RS-232 interface card w/surge protection
OPT4A	30cm DB-37 to 4 male DB9 cable
OPT8AP	8-port RS-232 (DCE) connection box with female DB25 connectors
OPT8BP	8-port RS-232 (DTE) connection box with male DB25 connectors
OPT8C	8-port RS-232 cable with male DB62 to DB25 connector (1m)
OPT8H	8-port RS-232 cable with male DB62 to DB9 connector (1m)

Model Name	Description
PCM-3610-B	Isolated RS-232/422/485 module
PCM-3612-A	Dual port RS-422/485 module
PCM-3614-A	4-port RS-422/485 High-speed module
PCM-3618-A	8-port RS-422/485 High-speed module
PCM-3640-A	4-port RS-232 module
PCM-3641-A	4-port RS-232 High-speed module