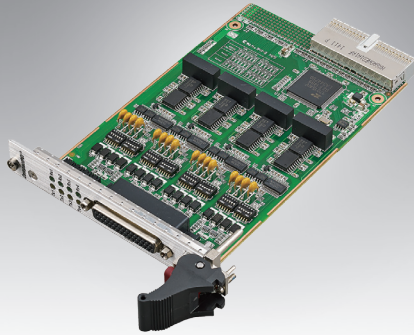


MIC-3955

3U CompactPCI® 4-port RS-232/422/485 Communication Card

Preliminary



Features

- 4-port RS-232/422/485
- 32bit 33/66MHz PCI bus backplane
- Speeds up to 115200 bps
- 16C954 UARTs with 128-byte standard
- 2KV Surge protection
- Support 5V only power input
- RIO Support 4-port RS-232/422/485
- PICMG 2.0 Rev. 3.0 compatible



Introduction

The MIC-3955 is a 3U CompactPCI 4-port RS-232/422/485 Communication Card. It supports working with 32bit 33MHz or 66MHz PCI frequency.

Specifications

Speeds	up to 115200 bps	
COM port	4-port RS-232/422/485	
UART	16C954 UARTs with 128-byte standard	
I/O address	automatically assigned by PCI Plug & Play	
Data flow	Automatic RS-485 data flow control	
LED-Front panel	Tx-orange / Rx-Green LED indicator	
Data Signals	Data Signals:TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND(for RS-232) TxD, RxD, RTS, CTS(for RS-422) DATA+, DATA- (for RS-485)	
IRQ	All ports use the same IRQ assigned by PCI Plug & Play	
BUS controller	XR17D154	
Data Bits	5, 6, 7, 8	
Stop Bits	1, 1.5, 2	
OS support	Windows XP, Windows 7, Red hat 6.1	
Power consumption	3.5W	
Surge Protection	2KV	
Isolation protection	Board Isolate Protection 2500VRMS D-SUB Cable protection is AC 1KV Isolation protection	
Environment	Operating	Non-Operating
	Temperature	-25 ~ 55° C (-13 ~ 131° F) -40 ~ 80° C (-40 ~ 176° F)
	Humidity	10 ~ 95% @ 40° C, non-condensing 10 ~ 95% @ 60° C, non-condensing
	Shock	10 G 30 G
Physical Characteristics	Vibration (5 ~ 500 Hz)	1.06 Grms 2 Grms
	PCB Dimensions (W x H)	160 x 100 mm (6.3" x 3.9")
Reliability	Weight	0.5 kg (1.1lb)
	MTBF	

Related Products

Part Number	Description
MIC-3325	3U CompactPCI® Intel® Atom™ Dual Core D525/N455 Processor Blade
MIC-3326	3U CompactPCI Intel® Atom™ N455 Low Power Processor Blade
MIC-3956-50AE	3U CPCI AC 50W 5V output Power Supply Unit
MIC-3023C1-D1E	3U CPCI fanless enclosure with 2 back plane

Ordering Information

Part Number	PCI	PICMG 2.0	Description
MIC-3955A1-S1E	Yes	Yes	3U CPCI 4-port Serial Port Controller with RS-232/422/485
MIC-3955B1-S1E	Yes	Yes	3U CPCI 4-port RS-232/422/485 to RIO 4HP
MIC-3955R1-D1E	Yes	Yes	RIO for MIC-3955B1-S1E. 3U CPCI 4-port RS-232/422/485 RIO Board 8HP

Accessories

Part Number	Description
1700019454	M Cable D-SUB 9P(M)*4/D-SUB 44P(M) 30CM