

MIC-3955

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



Features

- 4-port RS-232/422/485
- 32bit 33MHz PCI bus backplane
- Speeds up to 115200 bps
- 16C550 Compatible 5G Register Set
- 2KV Surge protection
- Support 5V only power input
- RIO Support 4-port or 8-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 32bit 33MHz PCI frequencies.

The MIC-3955 supports rear IO with 4-port RS-232/422/485 and 8-port RS-232/422/485. 4-port RS RIO Data Signals are DCD, RxD, TxD, DTR, GND, DSR, RTS, CTS, RI, (for RS-232); TxD-, TxD+, RxD+, RxD- (for RS-422); DATA-, DATA+, (for RS-485). 8-port RS-232/422/485 Data Signals are TxD-, TxD+, RxD+, RxD- (for RS-422); DATA+, DATA- (for RS-485); RxD, TxD, RTS, CTS, GND (for RS-232).

Specifications

Speeds	up to 115200 bps		
COM port	4-port RS-232/422/485		
UART	64-byte Transmit and Receive FIFOs		
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	EXAR XR17D154/XR17D158		
Data Bits	5, 6, 7, 8		
Stop Bits	1, 1.5, 2		
OS support	Windows 7, CentOS6.6 32bit		
Power consumption	3.5W		
Surge Protection	2KV		
Isolation protection	Board Isolate Protection 2500VRMS D-SUB Cable protection is AC 1KV Isolation protection		
Environment	Temperature	Operating -40 ~ 70° C (-40 ~ 184° F)	Non-Operating -40 ~ 80° C (-40 ~ 176° F)
	Humidity	10 ~ 95% @ 40° C, non-condensing	
	Shock	10 G	
	Vibration (5 ~ 500 Hz)	1.06 Grms	
			30 G
Physical Characteristics	PCB Dimensions (W x H)	160 x 100 mm (6.3" x 3.9")	
	Weight	0.5 kg (1.1lb)	
Reliability	MTBF :477,727 hours		

Related Products

Part Number	Description
MIC-3328	3U CompactPCI 3rd generation Intel® Core™ Processor Blade
MIC-3329	3U CompactPCI Intel® Atom™ Low power Quad Core E3845/ Dual Core E3827 SoC processor w/4GB ECC RAM
MIC-3023D1-A1E	3U CPCI fanless enclosure dual system with 2 backplane, 2 AC-In panel
MIC-3023S1-D1E	3U CPCI fanless enclosure single system with 1 back plane, 2 CPCI power connector for DC-Input power

Ordering Information

Part Number	Description
MIC-3955A1-S1E	Assy 4port RS-232/422/485 3U CPCI A101 Rohs
MIC-3955A2-S1E	Assy 4port RS for RIO app. 3U CPCI A101 Rohs
MIC-3955B1-S1E	Assy 8port RS-232/422/485 3U CPCI A101 Rohs
MIC-3955B2-S1E	Assy 8port RS for RIO app. 3U CPCI A101 Rohs
MIC-3527A2-S2E	Assy 4port RS RIO for MIC-3955 3U CPCI A101 Rohs
MIC-3527B2-S1E	Assy 8port RS RIO for MIC-3955 3U CPCI A101 Rohs