MIC-3955
MIC-3527

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



Features

- 4-Port/8-Port RS-232/422/485 isolated
- 32bit 33MHz PCI bus backplane
- Speed up to 921600bps
- UART 16C550 Compatible 5G Register Set
- 2KV Surge protection
- Support 5V only power input
- Support Front Line out & Rear Line out
- PICMG 2.0 Rev. 3.0 compatible

CE FCC RoHS COMPLIANT 2002/95/EC

Introduction

The MIC-3955 is a low power 4-port or 8-port RS232/RS422/RS485 serial board with 3U CPCI form factor and is based on the EXAR PCI controller. MIC-3955 is PICMG 2.0 Rev. 3.0 compatible. Rear board module are named MIC-3527XX. The MIC-3955 supports front IO or rear IO with 4-port and 8-port, and every channel is independent.

Specifications

Speeds		115200bps and 921600bps (Conditional)	
UART		64-Byte Transmit and Receive FIFO,16C550 Compatible 5G Register Set	
I/O Address		automatically assigned by PCI Plug & Play	
Data flow		Automatic RS-422/485 data flow control	
IRQ		All ports use the same IRQ assigned by PCI Plug & Play	
Data Bits/Stop Bits		Data Bits: 5, 6, 7, 8; Stop Bits: 1, 1.5, 2	
OS support		Windows XP/7/8/10 CentOS6, CentOS7, Neokylin 6, Ubuntu 16.04, Ubuntu 18.04 VxWorks 6.9, VxWorks 7.0	
Power Consumption		3.5W/5V Only or 5W/5V Only	
Isolation Protection		Board Isolation Protection 2500V RMS, D-SUB Cable protection is AC 1KV Isolation Protection	
Environment		Operating	Non-Operating
	Temperature	-40 ~ 70 °C (-40 ~ 158 °F)	-40 ~ 85 °C (-40 ~ 185 °F)
	Humidity	10 ~ 95% @ 40 °C, non-condensing	10 ~ 95% @ 60 °C, non-condensing

Ordering Information

PN	On board	Front Panel		Rear Panel		Function			Accessory	Note
	Type	Interface	LED	Interface	LED	RS232	RS422	RS485	Cable	
MIC-3955A1-S1E	4-port	DB44(F)	Yes	No Rear Board	-	Yes	Yes	Yes	Yes[3]	-
MIC-3955B1-S3E	8-port	DB62(F)	-	No Rear Board	-	Yes[1]	Yes	Yes	Yes[4]	-
MIC-3955A2-S1E	4-port	-	Yes	-	-	-	-	-	-	work together
MIC-3527A2-S2E		-	-	DB44(F)	Yes	Yes	Yes	Yes	Yes[3]	
MIC-3955B2-S1E	8-port	-	Yes	-	-	-	-	-	-	work together
MIC-3527B2-S2E		-	-	DB62(F)	-	Yes[2]	Yes	Yes	Yes[4]	

Note:
1. RS232 Signal: without RI
2. RS232 Signal: TX,RX,CTS,RTS
3. Cable is 30cm with 1 x D-Sub 44(M) to 4 x D-Sub9(M)
4. Cable is 55cm with 1 x D-Sub 62(M) to 8 x D-Sub9(M)

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Related Products

CPU board	Description
MIC-3328 Series	3U CompactPCI 3rd generation Ivy bridge Intel® Core™ i3/ i7 Processor Blades
MIC-3329 Series	3U CompactPCI Baytrial Intel® Atom™ Low power Processor Blades
MIC-3332 Series	3U CompactPCI 5rd generation Skylake Intel® Core™ i7/ Xeon E3 Processor Blades

Products Picture

4-Port Front Line out



MIC-3955A1-S1E

4-Port Rear Line out



MIC-3955A2-S1E



MIC-3527A2-S2E

8-Port Front Line out



MIC-3955B1-S3E

8-Port Rear Line out



MIC-3955B2-S1E



MIC-3527B2-S2E

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