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	Win XP / 7 / 8 / 10 ,CentOS 6.xCentOS 7.3,Neokylin 6		
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 ~ 184 °F)	-40 ~ 80 °C (-40 ~ 176 °F)
	Humidity	10 ~ 95% @ 40 °C, non-condensing	10 ~ 95% @ 60 °C, non-condensing
	Shock	30 G, 11ms, each axis three times	
	Vibration	2G rms	

Ordering Information

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

ADVANTECH CPCI Boards & Enclosures

All product specifications are subject to change without notice. Last updated: 18-Feb-2019

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-S2E

8-Port Rear Line out

MIC-3955B2-S1E

MIC-3527B2-S2E