

MIC-3810 Carrier Board

3U CompactPCI® Serial PCIe Carrier Board



Features

- 3U Height CompactPCI® Serial interface peripheral board
- Carrier board for PCIe x1, PCIe x4, PCIe x8 PCIeExpress® card
- PCIe x8 Gen3 via redriver supported
- PICMG CompactPCI Serial (CPCI-S.0 R2.0) compliant

Introduction

The MIC-3810 is a peripheral carrier board that is CPCI-S.0 standard compliant. The carrier board provides a PCIe x16 connector for standard PCIe x8, PCIe x4, PCIe x1 PCIeExpress® cards supporting PCIe Gen3 speeds. The carrier board can accommodate cards with maximum dimensions of 176 x 68.9 mm (6.9" x 2.7" inches). The 3U CompactPCI® Serial PCIe carrier board uses a special bracket to securely attach the PCIeExpress® card on itself to enhance stability. Its excellent mechanical design makes it suitable for harsh environments and provides an ideal solution for railway rolling stock, the medical industry, and all high-performance computing applications.

Specifications

Backplane Interface	PCIe Gen3 x8		
Power	+12V, Power consumption depending on plugged module		
Environment		Operating (Depending on module)	Non-Operate
	Temperature	-40 ~ 70 °C (-40 ~ 158 °F)	-40 ~ 85 °C (-40 ~ 185 °F)
	Humidity	95% @ 40 °C, non-condensing	95% @ 60 °C, non-condensing
	Vibration (5-500 Hz)	2.0 Grms	
Physical Characteristics	Dimensions	160.00 x 100.00 mm (6.30" x 3.95")	
Compliance	PICMG CPCI-S.0		

Ordering Information

Part Number	Description	CPU board	Enclosure
MIC-3810-A1D1	MIC-3810 CPCI-S PCIe carrier board	MIC-330 Series	MIC-300 Series

Front View

