

MIC-3820 Carrier Board

3U CompactPCI® Serial SATA Carrier Board



Features

- 3U Height CompactPCI Serial interface peripheral board
- 2.5" SATA SSD/HDD carrier
- PICMG CompactPCI Serial (CPCI-S.0 R2.0) compliant



Introduction

The MIC-3820 is a CPCI-S.0 standard compliant peripheral board and is controlled by a PCIe channel derived from the backplane connector P1. MIC-3820 is a 2.5" on board SSD/HDD carrier board running at SATA Gen3 speed. A fast swap of the drive can be accomplished via a reserved thumb screw to help open a door on the front panel and eject the drive. The excellent mechanical design makes it easy to replace modules and it is suitable for harsh environments and provides an ideal solution for railway rolling stock.

Specifications

Backplane Interface	SATA 3.0		
Power	+12 V/0.1 A w/o module; power consumption depending on plugged module		
Environment	Operating (Depending on module)	Non-Operate	
	Temperature	-40 ~ 85 °C (-40 ~ 185 °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")	
	Weight	0.5 kg	
Compliance	PICMG CPCI-S.0		

Ordering Information

P/N List	Description	CPU board	Enclosure	Module
MIC-3820-A1S1	MIC-3820 CPCI-S SATA carrier board	MIC-330 Series	MIC-300 Series	2.5" SATA HDD/SSD

Front View

