

MIC-3811 Carrier Board

3U CompactPCI® Serial Dual Mini PCIe Carrier Board



Features

- 3U Height CompactPCI serial interface peripheral board
- Dual Mini PCIe module carrier
- PICMG CPCI-S.0 CompactPCI® serial spec.



Introduction

The MIC-3811 is a CPCI-S.0 standard compliant peripheral board controlled by a PCIe channel derived from a backplane connector P1. It is a dual mini-PCIe carrier board with two onboard SIM card holders and mini-PCIe connectors, routed by PCIe and USB2.0 interface. It allows connection with different types of Mini PCIe form factor add on cards like Wi-Fi/3G/4G LTE/GPS/DIO/CAN/ and MVB modules, either full- or half-size style. The front panel is designed to configure different module types. The default front panel is designed with 4 x SMA holes and DB37 DIO and dual DB9 CAN panels are available as accessories per user request.

Specifications

Backplane Interface		PCIe Gen2/USB2.0	
Power		+12 V/0.1 A w/o module; power consumption depending on the plugged in module	
Environment		Operating (depending on module)	Non-Operating
	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	

MIC-3811 Carrier Board

Ordering Information

P/N List	Description	CPU board	Enclosure	Module
MIC-3811-A1S1	MIC-3811 dual Mini-PCle carrier A101-1	MIC-330 Series	MIC-300 series	DIO/CAN/Wi-Fi/4G LTE/GPS/BT, etc.

Accessories

Module Type	Module P/N	Description	Configured Cable & Wiring Board & Front Panel P/N	Description
	EWM-W135H01E	802.11 a/b/g/n, AR9382, 2T2R, half size Mini PCIe Wi-Fi module	1750006043	Cable R/P SMA (F) to MHF 1.32 150mm
	EWM-W157H01E	802.11 a/b/g/n/ac, RTL8821AE, mini PCIe Wi-Fi module with BT4.0	1750006043	Cable R/P SMA (F) to MHF 1.32 150mm
	MOS-1110Y-0101E	I-Door Mini-PCle module Isolated 16 DI/8 DO, 1-Ch, DB37	PCL-10137-1E: PCL-10137-2E PCL-10137-3 ADAM-3937-BE Y5A3954009 1700030595-01	DB-37 shielded cable, 1m DB-37 shielded cable, 2m DB-37 shielded cable, 3m DB-37 wiring terminal, DIN-rail mount Front panel 12.5cm DIO on board module cable
	MOS-1130Y-0201E	I-Door Mini-PCle module Isolated CANBus, 2-Ch, DB9	OPT1-DB9E-AE Y5A3954005	DB9 to 10-pin wiring board Front panel

Note: Please find more accessory lists or information from the Advantech website: <http://www.advantech.com.cn/>

Front View

