MIC-3958A/B

3U/4HP CompactPCI 4 Ports RJ45 or M12 X-Code Gigabit Ethernet Card
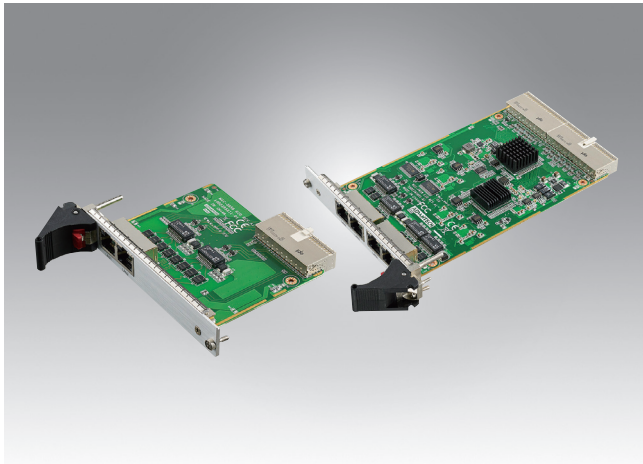
MIC-3958A
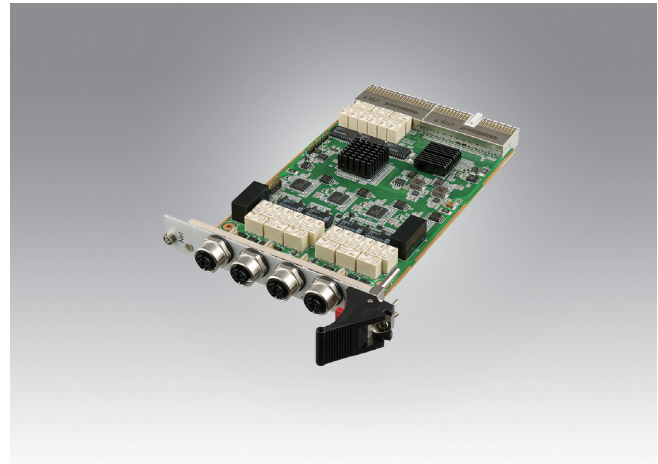
EN 50155 — Fully Certified with
EN 50121-4 — Fully Compliant with
RoHS COMPLIANT 2002/95/EC

MIC-3958B

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EN 50121-4 — Fully Compliant with
RoHS COMPLIANT 2002/95/EC

Features

- PICMG2.0 R3.0 Compliant
- Up to 4 Intel I210 Ethernet Controller
- PCIe to PCI Bridge PI7C9X130
- RIO support
- Auto-negotiation / Auto MDI/MDIX crossover on all ports
- Win7/ Win10/ CentOS6.5/6.6

Specifications

General

PCI Bus	32bit, up to 33/66MHz
Front IO	4 ports 10/100/1000 Base-T via RJ45
Rear IO	2 ports 10/100/1000 Base-T via RJ45 (Switchable w./ Front)
LED	LNK: 100Mb/s(Green), 1000Mb/s (Orange), ACT (Green Blink)
Power Consumption	9.5W /5V
Dimension	Front/Rear Board:100x160 mm/ 100x80mm
Dielectric Withstanding Voltage	1000V$_{AC}$

Environment

Operating Temp.	-40 ~ 60°C (-40 ~140°F)
StorageTemp.	-40 ~ 85°C (-40 ~ 185°F)
Humidity	10 ~ 95% (non-condensing)
Vibration	2Grms Operation

Features

- PICMG2.0 R3.0 Compliant
- Up to 4 Intel I210 Ethernet Controller
- PCIe to PCI Bridge PI7C9X130
- LAN Bypass Support
- Auto-negotiation / Auto MDI/MDIX crossover on all ports
- Win7/ Win10/ CentOS6.5/6.6

Specifications

General

PCI Bus	32bit, up to 33/66MHz
Front IO	4 ports 10/100/1000 Base-T via M12 X-Code
Rear IO	Reserve 4x 10/100/1000 Base-T signals to RIO
LED	Connect: LNK: 100Mb/s (Green); 1000Mb/s (Orange), ACT (Green Blink) Bypass: ACT(Green), LNK (Off) Disconnect: ACT (Green Blink), LNK (off)
LAN Bypass	2 pairs to front, 1 pair to rear
Power Consumption	10.8W /5V
Dimension	Front/Rear Board:100x160 mm/ 100x80mm
Dielectric Withstanding Voltage	1000V$_{AC}$

Environment

Operating Temp.	-40 ~ 60°C (-40 ~140°F)
StorageTemp.	-40 ~ 85°C (-40 ~ 185°F)
Humidity	10 ~ 95% (non-condensing)
Vibration	2Grms Operation

Ordering information

- **MIC-3958A1-S1E** — 4 x RJ45 ports 3U/4HP CPCI Ethernet Front Board, support RIO
- **MIC-3958R1-S1E** — 2 x RJ45 ports 3U/4HP CPCI Rear Ethernet Rear Board, support MIC-3958A1-S1E

Notes:

- 2 RJ45 ports of MIC-3958A1-S1E and MIC-3958R1-S1E is switchable by on board switch "SW1"
- "SW1" default setting is for 4 ports RJ45 on front board

Ordering information

- **MIC-3958B1-S1E** — 4x M12 X-code ports 3U/4HP CPCI Ethernet Front Board, NO RIO support

Notes: Contact Local Sales for MIC-3958B Rear IO board support

MIC-3958C

MIC-3958C

Fully Certified with
EN 50155

Fully Compliant with
EN 50121-4

RoHS COMPLIANT 2002/95/EC

Features

- PICMG EXP.0 R.94 Spec
- I350 Ethernet Controller
- Auto-negotiation / Auto MDI/MDIX crossover on all ports
- Win7/ Win10/ CentOS6.5/6.6

Specifications

General

- **Interface**   PCIe x4
- **Speed**   10/100/1000 Base-T(X)
- **Front IO**   4 ports 10/100/1000 Base-T via M12 X-Code
- **LED**   LNK: 100Mb/s(Green), 1000Mb/s (Orange), ACT (Green Blink)
- **Power Consumption**   5.6W
- **Power Input**   5V
- **Dimensions**   100 x 160 mm

EMC & Safety

- **High-Pot**   1500V$_{AC}$
- **Dielectric Withstanding Voltage**   1500V$_{AC}$

Environment

- **Operating Temp.**   -40 ~ 60°C (-40 ~140°F)
- **StorageTemp.**   -40 ~ 85°C (-40 ~ 185°F)
- **Humidity**   10 ~ 95% (non-condensing)
- **Vibration**   2Grms Operation

Ordering information

- **MIC-3958C1-S1E**   4 Ports M12 X-code 3U/4HP CPCI-E Ethernet Card, NO RIO support