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Find the *Diamond Systems PCI/104-Express Dual* at our website: *Click HERE*

PCIe MiniCard Carrier

PCI/104-Express Quad PCIe MiniCard Carrier



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- **Get an online quote**

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FEATURES

- 4 PCIe MiniCard sockets
- PCIe x1 and USB interfaces
- Supports full and half size PCIe MiniCards
- SIM cards supported in 2 sockets
- PCI-104 pass through
- PCI/104-Express form factor with wings 4.5" x 3.775"
- Extremely rugged -40°C to +85°C operating temperature
- MIL-STD-202G shock and vibration compatible

ACCESSORIES

The following PCIe MiniCards can be used with this product:

- **DS-MPE-CAN2L CANbus Module** 
- **DS-MPE-DAQ0804 Analog I/O Module** 
- **DS-MPE-GE210 Gigabit Ethernet Module** 
- **DS-MPE-GPIO Digital I/O Module** 
- **DS-MPE-SER4M Serial Module** 
- **DS-MPE-SER4OPT Opto Serial Module** 

This product can be **customized** and **ruggedized. Click here** for more information.

ONLINE SUPPORT

- **See PCIe MiniCard Carrier Technical Resources**
- **Request Product information**
- **Request Technical Support**

DOWNLOADS

- **E104-MPE-04 datasheet** (**.pdf**, 281.5 kb)
- **E104-MPE-04 User Manual** (**.pdf**, 861.7 kb)

Description

The PCIe MiniCard carrier offers four PCIe MiniCard sockets on a compact PCI/104 Express form factor board. All four sockets have PCIe x 1 and USB interfaces and support full size and half size PCIe MiniCard modules.

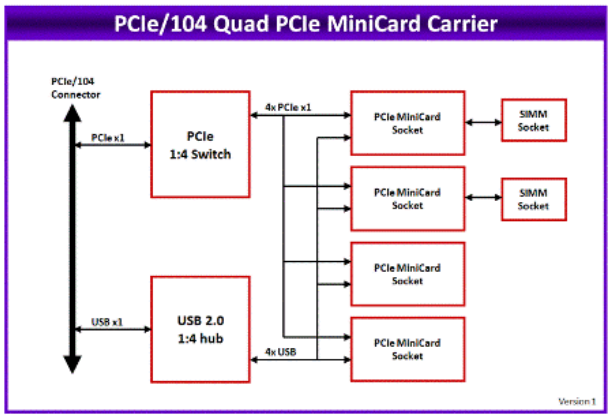
The module provides full support to all sockets while consuming only a single lane of host SBC resources. SIM card support is provided for two sockets.

All power is derived from the PCIe/104 connector 5V power tab. The PCI-104 connector provides a pass through connection and is not used by the module.

Extended temperature capability (-40°C to +85°C) enables the board to operate in environments with extreme temperature swings, such as vehicles or outdoor installations. For further enhanced ruggedness, zero ohm resistors can replace jumpers.

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Block Diagram



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Specifications

Number of PCIe MiniCard sockets	4
Card Size	Full and half size cards supported
SIM support	2 sockets support SIM cards
Interfaces	PCIe x1 and USB
Host interface	PCI-104 pass through
LEDs	LEDs provided for all 4 sockets
Form FactorDimensions	PCI/104-Express form factor with wings: 4.5" x 3.775" (114mm x 96mm)
Power supply	+5VDC ±5%
Operating temperature	-40°C to +85°C (-40°F to +185°F)
Operating humidity	5% to 95% non-condensing
Shock	MIL-STD-202G compatible
Vibration	MIL-STD202G compatible
MTBF	tbd hours at 20°C
Weight	2.5oz (71g)
RoHS	Compliant

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Get An Online Quote

PCIe MiniCard Carrier

available models:

E104-MPE-04	PCI/104-Express Quad PCIe MiniCard Carrier
E104-MPE-02	PCI/104-Express Dual PCIe MiniCard Carrier

Please login or signup for an online quote request.

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