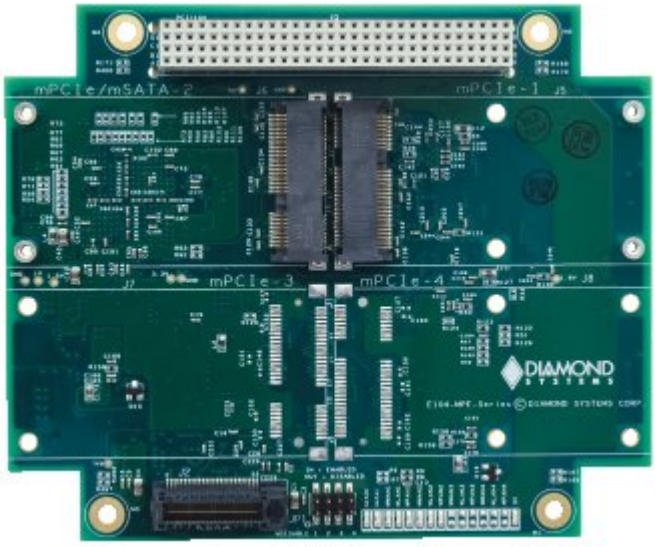
E104-MPE PCI/104-Express Quad PCIe MiniCard Carrier

PCIe104

E104-MPE-04 top view



E104-MPE-02 top view

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

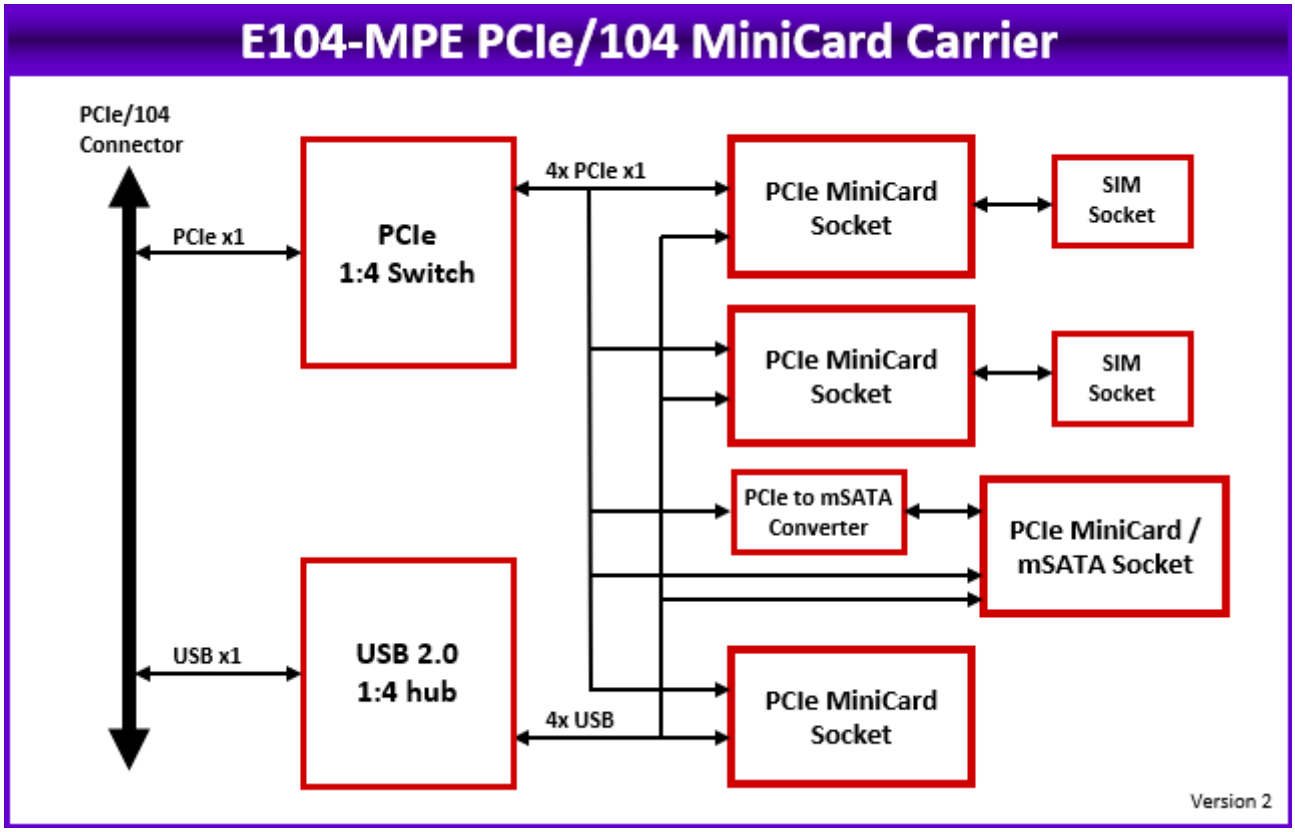
The PCIe MiniCard carrier provides four PCIe MiniCard sockets on a PCI/104-Express form factor board. All four sockets have PCIe x 1 and USB interfaces and support full size and half size PCIe MiniCard modules.

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.

Block Diagram



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

Models and Accessories

E104-MPE

available models:

E104-MPE-04	PCI/104-Express Quad PCIe MiniCard Carrier	Available
E104-MPE-02	PCI/104-Express Dual PCIe MiniCard Carrier	Min Order Quantity

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