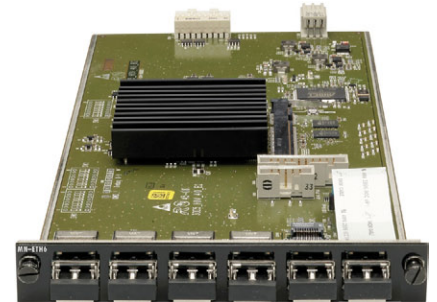


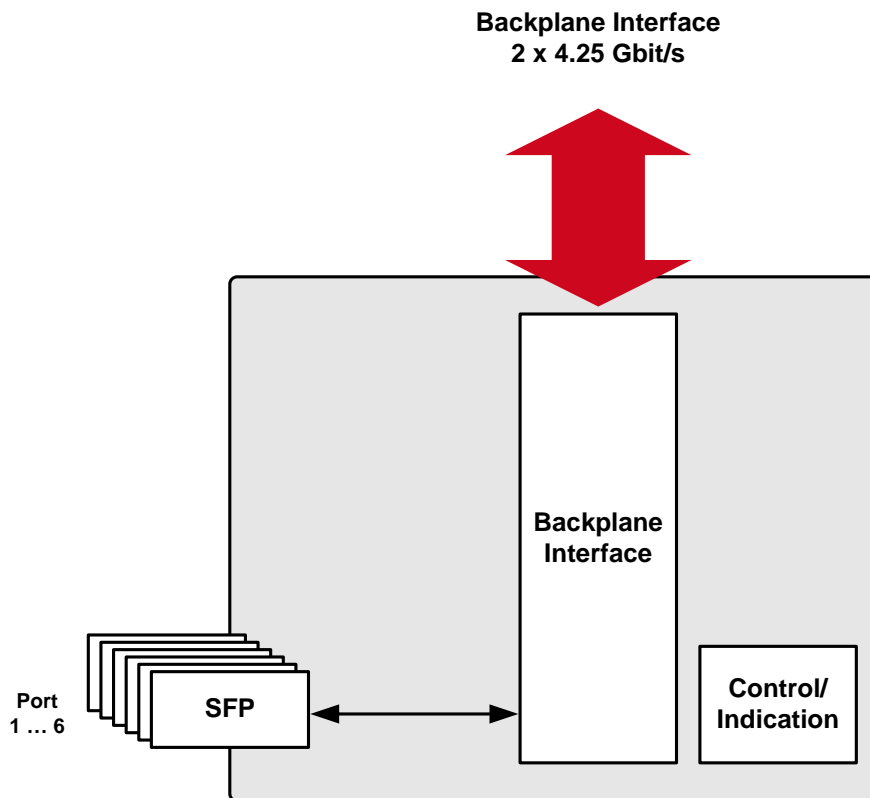
MediorNet MN-ETH6

The MN-ETH6 Card tunnels electrical and optical Ethernet over the MediorNet network.

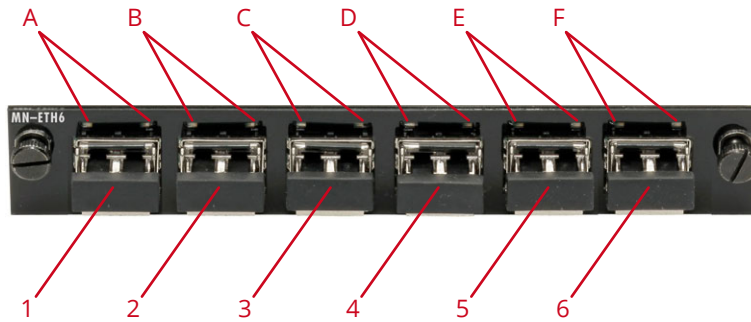
- 6 Ports for SFP modules, each providing either
 - optical LC or
 - electrical RJ45 connection
- Supported modes:
 - 1000BASE-X
 - 1000BASE-T
 - 100BASE-T (full duplex only)
 - 10BASE-T (full duplex only)
- The MN-ETH6 Card can be placed in any High-Speed slot of the Modular mainframe



Block Diagram



MediorNet MN-ETH6



Legend

- A) Status LEDs Port 1
- B) Status LEDs Port 2
- C) Status LEDs Port 3
- D) Status LEDs Port 4
- E) Status LEDs Port 5
- F) Status LEDs Port 6
- 1) SFP Port 1
- 2) SFP Port 2
- 3) SFP Port 3
- 4) SFP Port 4
- 5) SFP Port 5
- 6) SFP Port 6

Status LEDs

	off	green	red
Left SFP	No Ethernet connection / no SFP plugged	Ethernet Link Up	--
Right SFP	No connection/ no SFP plugged	Active MediorNet connection	Interrupted MediorNet connection

While plugging an SFP module, both LEDs are orange until configuration succeeded
 If an incompatible SFP is plugged in, both LEDs glow red

Bi-Directional Ports

Ethernet	1000BASE-X, 1000BASE-T, 100BASE-T (full duplex only), 10BASE-T (full duplex only) RFC 2544 Compliant Jumbo Frames Support
SFP Specifications	The SFP specifications are listed in the MediorNet-SFPs datasheet

Transport Latencies

Ethernet	60 μ s + 10 μ s per MN hop + optical delay on long fibers 220 μ s + 10 μ s per MN hop + optical delay on long fibers	64 Byte packet size 9000 Byte packet size
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Overall

Environmental Temperature	-5 °C to +40 °C (Non-condensing)
Supply Voltage	12 VDC
Power Consumption	12 W
Dimensions (w×h×d)	132 mm × 20 mm × 307 mm
Weight	300 g