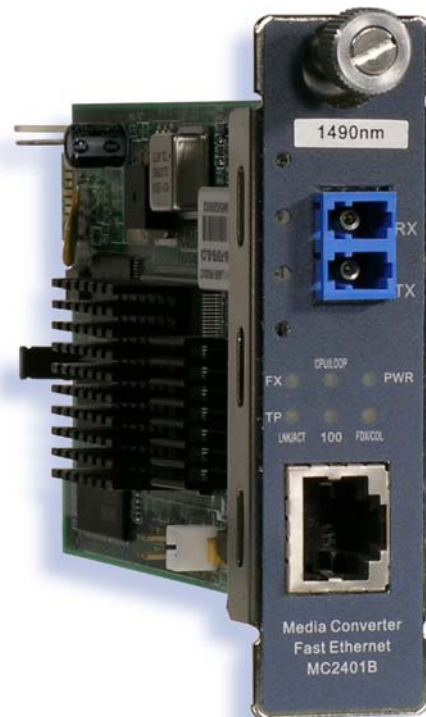


Features

- One 10/100Base-TX Fast Ethernet UTP port and one 100Base-FX Fast Ethernet Fiber port with Layer 1 media converter
- SNMP management provided by CX2001B Management Module in CH2016B chassis
- CWDM ITU-grid (G.694.2, June 2002) compliant (20 nm spacing)
- LED displays for power, UTP port (Act/Link/Speed), fiber port (Act/Link), FDX/collision and power
- Rack-powered and hot-swappable

CWDM Fast Ethernet SMART Media Converter (10/100Base-TX to 100Base-FX)



Aurora Networks' MC2401B series SMART Media Converter modules are designed to enable network planners to connect 100 Mbps twisted pair network segments to single-mode fiber optic access networks.

When installed in a CH2016B Chassis, the MC2401B is supported by user-friendly rack-based SNMP management (implemented in the CX2001B Management Module in the chassis) to manage and monitor fiber optic conversions in mission critical enterprise and service provider applications.

Physical:

- Ports:
 - One 10/100M RJ-45 UTP port
 - One 100Base-FX fiber port with Duplex LC connector
- Dimensions:
 - 5.3" L x 2.6" W (13.6 cm x 6.7 cm) (1 slot in CH2016B chassis)
- Weight:
 - 0.25 lbs (0.11 kg)

General:

- LED indicators:
 - TP port: Link/Activity/Speed (100 Mbps)
 - FDX and Collision
 - Fiber port: Link/Activity
 - Power and CPU/Loop

Electrical:

- Input power: 5V \pm 5% (rack-powered)
- Power consumption: 4 Watts maximum

Environmental:

- Operating temperature range: 0° to +50°C (32° to 122°F)
- Storage temperature range: -20° to +70°C (-4° to 158°F)
- Humidity: 5% to 90% non-condensing

Regulatory:

- Compliance: IEEE802.3, IEEE802.3u
- Emissions: FCC Part 15, Class A and CE Mark

Twisted-Pair Port Interface:

- Connector: Shielded/Unshielded RJ-45, 8-pin jack
- Impedance: 100 Ω nominal
- Signal level output (differential): 0.95 to 1.05 V (100Base-TX)
- Signal level input: 350 mV minimum (100Base-TX)
- Supported link length: 100 m
- Cable type (100 Mbps segments): CAT5 UTP (100M)

Single-mode Fiber Optic Port Interface:

- Connector: Duplex LC
- Wavelength: 1430–1610 nm CWDM, 10 wavelengths, ITU compliant
- Receive input sensitivity: -34 dBm
- Output power: 0 dBm to -5 dBm
- Supported link length: 80 km maximum
- Cable type: 9/125 μ m F/O (recommended)

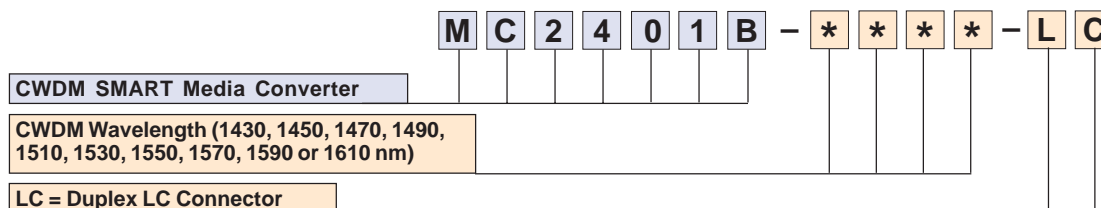
Data Transmission / Receiving Rate and Latency at Wire Speed:

- Data rates:
 - 100 Mbps half duplex (Fast Ethernet)
 - 200 Mbps full duplex (Fast Ethernet)
- Latency: < 9 μ s (100 Mbps input)

Management Support:

Refer to data sheet for CH2016B SMART Media Converter Chassis.

Ordering Information

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