Features

- **One 10/100/1000Base-T GbE UTP port and one 1000Base-LX GbE 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 and Duplex) and fiber port (Act/Link)**

- **Rack-powered and hot-swappable**

CWDM Gigabit Ethernet SMART Media Converter (10/100/1000Base-T to 1000Base-LX)

Aurora Networks' MC2410B series GbE SMART Media Converter modules enable network planners to connect 1000 Mbps twisted pair network segments to single-mode fiber optic access networks.

When installed in a CH2016B Chassis, the MC2410B 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.

Access Services Equipment

Physical:

- Ports:

  One 10/100/1000M RJ-45 UTP port

  One 1000Base-LX fiber port with Duplex LC connector

- Dimensions:

  5.0" L x 2.5" W (12.7 cm x 6.4 cm) (1 slot in CH2016 chassis)

- Weight:

  0.25 lbs (0.11 kg)

General:

- LED indicators:

  TP port: Link/Activity (1000 Mbps)

  Fiber port: Link/Activity/Speed (1000 Mbps),

             FDX/Collision

  Device: Power

Electrical:

- Input power: 5V ± 5% (rack-powered)

- Power consumption: 4.5 Watts maximum

Environmental:

- Operating temperature range: 0º to +50ºC (32º to 122ºF)

- Storage temperature range: –20º to +70ºC (–4º to 158ºF)

- Humidity: 5% to 95% non–condensing

Regulatory:

- Compliance: IEEE802.3ab, IEEE802.3z

- Safety: UL

- 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 (1000Base-T)

- Signal level input: 350 mV minimum (1000Base-T)

- Supported link length: 100 m

- Cable type (1000 Mbps segments): CAT 5e UTP (100m)

Single-mode Fiber Optic Port Interface:

- Connector: Duplex LC

- Wavelength: 1430–1610 nm CWDM, 10 wavelengths, ITU compliant

- Maximum input power level: –3 dBm

- Receive input sensitivity: –24 dBm

- Output power: 0 dBm to –5 dBm

- Link budget: 19 dBm
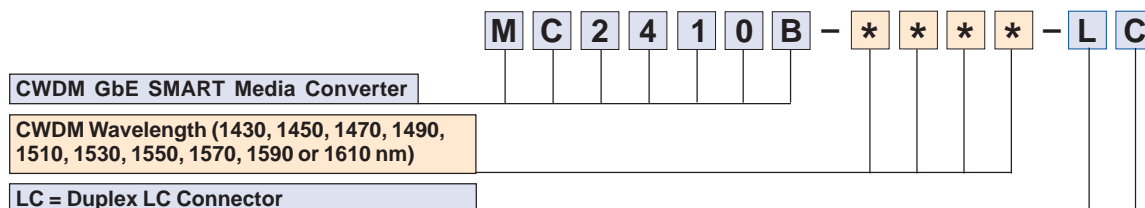
- Cable type: 9/125 μm F/O (recommended)

Data Transmission / Receiving Rate at Wire Speed:

- Data rates:

  2000 Mbps full duplex (Gigabit Ethernet)

  100 Mbps half duplex (Fast Ethernet)

  200 Mbps full duplex (Fast Ethernet)

  10 Mbps half duplex (Ethernet)

  20 Mbps full duplex (Ethernet)

Management Support:

Refer to data sheet for CH2016B Chassis.

Ordering Information

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CWDM GbE SMART Media Converter

CWDM Wavelength (1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590 or 1610 nm)

LC = Duplex LC Connector

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