

Overview



In response to an increase in fibre optics cabling deployment, EtherWAN offers its PCI-Bus Media Converter Series as a concrete and affordable option. EtherWAN's EN303 Series is one of the most complete solutions in media conversion. The EN303 Series are available in all types of fibre connectors and modes: Multi-mode SC, ST, VF-45, MT-RJ, and LC; Single-mode SC and ST; WDM Single-mode SC. The PCI-based Media Converter Series can be easily mounted to the PCI slot of a PC, workstation, or server without driver installation and configuration. No additional power is needed for this PCI-based Media Converter Series as the power is supplied via the PCI slot. The PCI-based Media Converter Series expands the distance from a PC workstation or server to the fibre optical backbone. The series provides excellent solutions that optimise flexible and reliable performance

Features

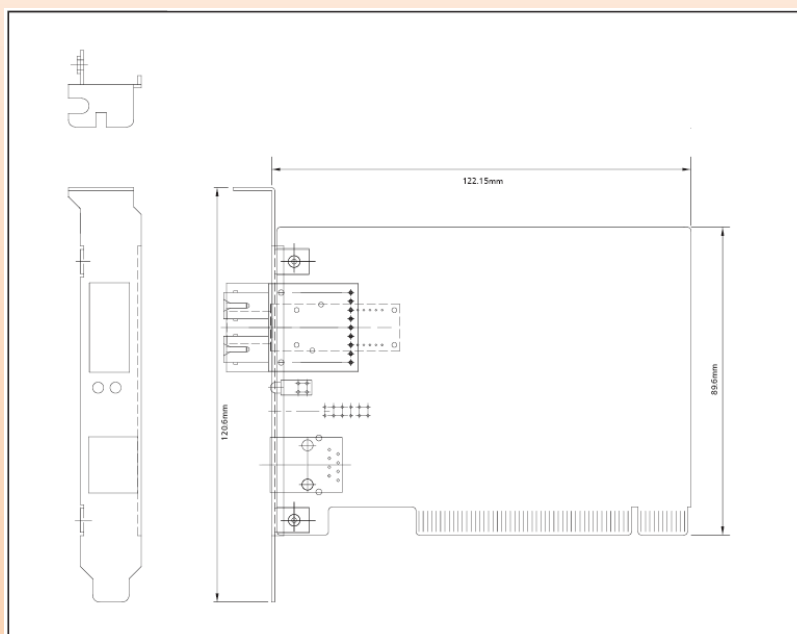
- Two queues per port for QoS purpose
- Supports packet length up to 1536 Bytes
- PCI 2.1 Specification compliant
- Built-in data buffer 49K Bytes
- 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Full wire-speed forwarding rate

Ordering Information

32bit PCI-Bus 10/100BASE-TX to 100BASE-FX Media Converter

EN303C	10/100BASE-TX to 100BASE-FX Multi Mode (SC) Media Converter
EN303T	10/100BASE-TX to 100BASE-FX Multi Mode (ST) Media Converter
EN303C-20	10/100BASE-TX to 100BASE-FX Single Mode (SC) -20 Km Media Converters
EN303T-20	10/100BASE-TX to 100BASE-FX Single Mode (ST) -20 Km Media Converters
EN303C-40	10/100BASE-TX to 100BASE-FX Multi Mode (SC) -40 Km Media Converters
EN303CA-2	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1310nm/RX: 1550nm 2Km Media Converter
EN303CB-2	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1550nm/RX: 1310nm 2Km Media Converter
EN303CA-5	10/100BASE-TX to 100BASE-BX Multi Mode (SC) WDM -TX: 1310nm/RX: 1550nm 5Km Media Converter
EN303CB-5	10/100BASE-TX to 100BASE-BX Single Mode (SC) WDM -TX: 1550nm/RX: 1310nm 5Km Media Converter
EN303CA-20	10/100BASE-TX to 100BASE-FX Single Mode (SC) WDM -TX: 1310nm/RX: 1550nm -20 Km Media Converters
EN303CB-20	10/100BASE-TX to 100BASE-FX Single Mode (SC) WDM -TX: 1550nm/RX: 1310nm -20 Km Media Converters
EN303CA-40	10/100BASE-TX to 100BASE-FX Single Mode (SC) WDM -TX: 1310nm/RX: 1550nm -40 Km Media Converters
EN303CB-40	10/100BASE-TX to 100BASE-FX Single Mode (SC) WDM -TX: 1550nm/RX: 1310nm -40 Km Media Converters

Diagrams



Specifications

Technology

Standards:

- IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3x

Forward and Filtering Rate:

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

Packet Buffer Memory:

- 49K Bytes

Processing Type:

- Store-and-Forward
- Half-duplex back-pressure and IEEE802.3x full-duplex flow control

Power

Power Consumption:

- 1W Max.

Mechanical

Dimensions:

- 120mm (L) x 56mm (W)
(4.72" (L) x 2.2" (W))

Weight:

- 90g (0.2lb.)

Interface

LED Indicators:

- Per Unit:Link/Activity, Speed

Environment

Operating Temperature:

- 0°C to 45°C (32°F to 113°F)

Storage Temperature:

- -10°C to 70°C (14°F to 158°F)

Ambient Relative Humidity:

- 5% to 95% (non-condensing)

Regulatory Approvals

ISO:

- Manufactured in an ISO9001 facility

Emission Compliance:

- CE Mark Class B, FCC Part 15 Class B, VCCI Class A.

LED Indicators

LEDs	State	Indication
LNK/ACT	Steady	A valid network connection established LNK stands for LINK
	Flashing	Transmitting or receiving data ACT stands for ACTIVITY
	Off	Neither valid network connection established nor transmitting/receiving data.

Installing PCI-based Media Converter into 32-bit PCI

