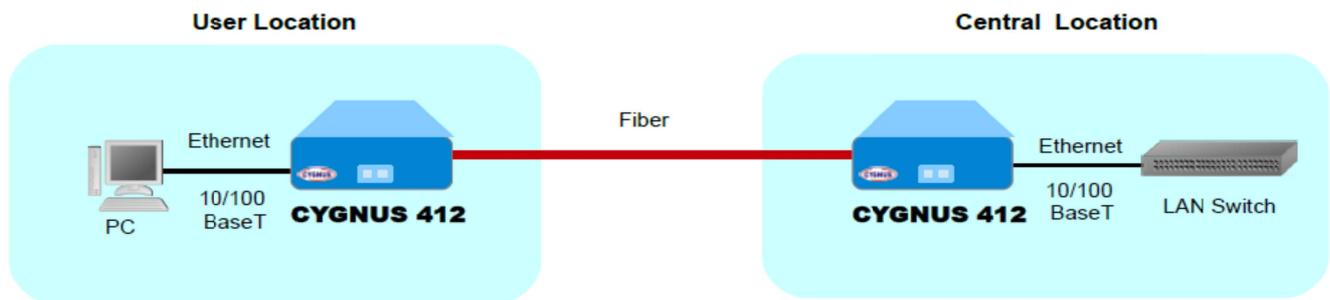# CYGNUS 412
Fast Ethernet Media Converter

FEATURES

◆ CYGNUS 412 Fast Ethernet Media Converter which supports 10/100 Base-Tx to 100 Base-Fx media conversion
◆ One 10/100 Base-T Ethernet interface for connecting user device
◆ One 100 Base FX Fiber port with Bi-Di SC connector for connecting fiber line.
◆ Supports single mode and multimode fiber links (ordering time option)
◆ Driving range is up to 20 km on Single Mode Fiber (ordering option to support driving range upto 40 or 100 km) and 2 km on Multi-mode Fiber

◆ Bi-Di technology allows one fiber to be saved as compared to other Media Converters which use Duplex Fiber. Simultaneous 2-way communication between a pair of CYGNUS 412 units is possible using only one interconnecting fiber circuit between them.
◆ Supports 10/100Mbps operation with Auto Negotiation, Auto-sensing and Auto MDI/MDIX
◆ Compliant with IEEE 802.3 , 802.3u & 802.3x standards
◆ Power, Link, Activity and Speed LED indicators.
◆ Power supply: 5 VDC wall adaptor

TYPICAL APPLICATION

SPECIFICATIONS

FIBER OPTIC INTERFACE

Fiber type:	Single Mode / Multi Mode (ordering option)
Wave Length:	1310nm for multi mode optical interface 1310/1550nm for single mode optical inteface
Range:	Up to 20 km on single mode fiber (ordering option to support driving range upto 40 or 100 km) 2 km on multimode fiber (ordering option)
Connector:	Bi-directional SC (single fiber)

ETHERNET INTERFACE

Interface Compliance :	IEEE 802.3 , 802.3u & 802.3x standards 10/100 Base-Tx, Auto sensing Auto negotiation and Auto MDIX
Speed:	10/100 Mbps
Connector:	RJ-45 Socket

INDICATORS

Power, Fiber Link/Act status, Ethernet Link/ACT and speed status

GENERAL

Size:	70mm (w) x 93mm (d) x 25mm (h)
Power:	5 VDC external AC adaptor
Operating temp:	0- 45° C
Humidity:	0-85% RH, non condensing

ORDERING INFORMATION

Order Code: CYGNUS 412

Specifications and Features are subject to change without notice   *Ref: 211108*