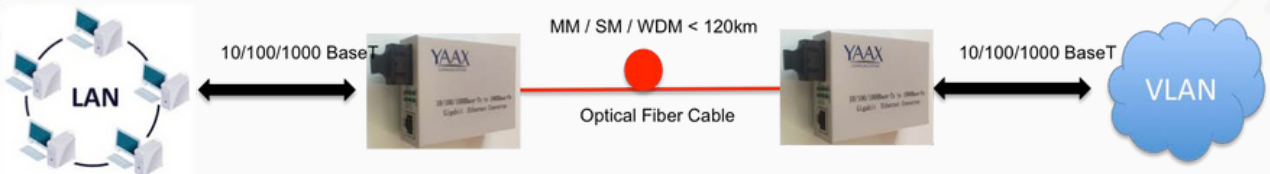# 10/100/1000 Gigabit Autosensing
Fiber Media converter

The YX-GUM series comply with IEEE 802.3/ab Gigabit Ethernet standard.
It supports two types of media for network connection such as 10/100/1000 Base-T to 1000 Base SX/LX and connects these two types of segments to operate smoothly Converter fits in Yaax media converter chassis as plug in module and can be used in standalone applications as well YX-GUM series Fiber Media Converter transforms 1000Base-T (Copper Gigabit) media to 1000Base-SX/LX (Fiber Gigabit) media and vice versa. The 1000Base-T port supports full-duplex Gigabit connection at wire speed with RJ45 connector. The fiber Gigabit connection supports shortwave (SX) or longwave (LX) laser optic with multi-mode or single-mode SC type connector.This converter will give your Copper Gigabit connection the ability to interface with fiber connection over a distance up to 120 km 10/100/1000 means, YX-GUM that media converter that converts the electrical signal of a 10/100/1000 Ethernet signal from copper to fiber. This solution will offer a low-cost integration option for network managers who want to migrate from 10/100 networks to Gigabit Ethernet. Gigabit only switches can now be connected to 10/100 networks without the need to upgrade the 10/100 side, allowing network managers to add new equipment gradually.

Features

- Compliant with IEEE 1000Base-T and 1000Base-LX
- One 10/100/1000Base-T RJ-45 port autosensing featured!
- One 1000Base-LX/SX Port w/ SC/ST-Type Connector
- Status LED indicators for Power, Link/Activity, Full-Duplex, and Speed
- Wall-Mountable, pluggable in universal chassis, or desktop
- Available in SingleFiber WDM versions - 1310/1550 nm wavelenghts used

Specifications

Standarts:	IEEE802.3z/ab 10/100/1000Base-T 10/100/1000Base-SX/LX FX LINK, FX FDX, TP LINK, TP FDX, ACT, POWER
LED Indicators:	2000Mbps full duplex
Data rate:	1000 FDX with NWAY auto-negotiation
TP:	100 to 240VAC 50 to 60Hz
Power supply:	2A +5V
Input power:	70.5mm(L)X94mm(W)X26.5mm(H) Relative humidity; 5% to 90%
Dimensions:	Operating temperature: 0 to 60
Environment:	Storage temperature: -20 to 70

10/100/1000 BaseT — MM / SM / WDM < 120km — 10/100/1000 BaseT

Optical Fiber Cable

LAN   VLAN

YX-GUM-SM-XX	Gigabit Ethernet 10/100/1000Mbps Media Converter XX=(10/20/40/60/80/100/120) km SC (Single Mode)
YX-GUM130-SM	Gigabit Ethernet 10/100/1000Mbps Media Converter XX=(10/20/40/60/80/100/120) km SC (Single Mode Single Fiber WDM, Tx
YX-GUM150-SM	Gigabit Ethernet 10/100/1000Mbps Media Converter XX= (10/20/40/60/80/100/120) km SC (Single Mode Single Fiber WDM, Tx
YX-GUM-MM-1310	Gigabit Ethernet 10/100/1000Mbps Media Converter 2 Km (1310 nm) SC (Multimode)
AN-UMG-AS-MM-850	Gigabit Ethernet 10/100/1000Mbps Media Converter 550 m (850 nm) SC (Multimode)

MAYA communications