



AD-NET TECHNOLOGY CO.,LTD

Gigabit Ethernet WDM media converter

AN-UMG130/150 series comply with IEEE 802.3z/ab Gigabit Ethernet standard single fiber converter is designed with an optic wavelength Division Multiplexing (WDM) technology that transports bi-directional full duplex signal over a single fiber simultaneously



Feature:

- Complies with 1000Mbps NWay switches and 1000Mbps NICs cost-effective for budget user
- WDM – Wave Division Multiplexing Technology to cut your network design costs – you need only 1 fiber instead of 2
- Extends network span from 10km up to 40km over single fiber
- MDI/MDI-X auto negotiation
- WDM technology combines dual fiber cables into single fiber greatly save the installation cost of expensive fiber cable
- DIP switch allows LFP (Link Loss Feature) on/off
- DIP switch allows turn on/off Jumbo Frame support
- Configurable Store/Forward modes
- On/Off setting for Pass through mode
- Smart pass through, Modified cut through modes set by dip switches
- FCC Class A & CE approved



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- RoHs Compliant

Specifications:

Wavelength: TX1310nm/RX1550nm; TX1550nm/RX1310nm, for high distance
TX1490nm/RX1550nm; TX1550nm/RX1490nm

Technical:

BER: <1E-8

Data Buffer: 128Kb

Power temperature variation: 0. 2mw/°C

Input Power Range (dBm): 0~-40

I_{max}: 800mA

Power: 2.5 W

High performance ICPLUS IP113C or RTL8306G chipsets based

Fiber cable(m): 8.3/125, 8.7/125, 9/125 or 10/125single-mode, only 1 strand is needed

Maximum distance: 120 km (available ordering options 20/40/60/80/100/120 km)

Input power: 1A@+5VDC or 110~260VAC or 48VDC

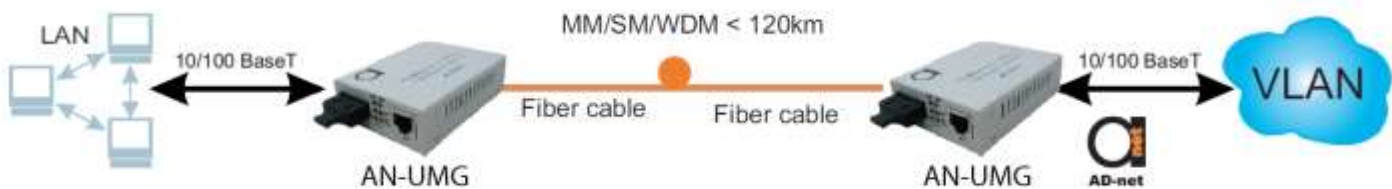
Dimensions: 95×70×26mm (external power), 95×70×26mm (external power)

Environment:

Relative humidity;5% to 90%

Operating temperature: 0 to 70 degrees

Storage temperature : -20 to 7





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Product Description:

The AN-UMG130/150 series comply with IEEE 802.3z/ab Gigabit Ethernet standard single fiber converter is designed with an optic wavelength Division Multiplexing (WDM technology that transports bi-directional full duplex signal over a single fiber simultaneously. It supports two types of media for network convention such as 1000 Base -T to 1000 Base-SX/LX and connects these of segments to operate smoothly.

AD-net AN-UMG130/150 series provides a unique capability of both transmitting and receiving Gigabit Ethernet data on a single fiber over the distances up to 40 km. This feature is critical for many Fiber-to-the-X (FTTX) environments, where a single fiber is laid to each customer. AD-net single-fiber solutions cover a range of protocols and distances, and include single-fiber WDM for specific applications and protocols, what require stable and reliable optical to ethernet conversion. For Fiber Optical Ethernet applications, AD-net provides SFP modules that directly connect to a bi-directional fiber interface. AD-net also provides a wide variety of specialty patch cables to combine wavelengths and multiplex transmit and receive signals.

AN-UMG130/150 also can be ordered as plug in modules in AN-CH05 chassis, and they also are universal – you can use same units as standalone unit, and also same unit can be used as plug in module in chassis.

AN-UMG130/150 is successfully used in optical-to-electrical-to-optical translation at the very edge of the transport network, thus permitting interoperation with existing equipment with optical interfaces. AN-UMG130/150 single fiber media converter systems operate on single mode fiber optical cables, which have a core diameter of 9 μm . Certain models of WDM can also be used in multi-mode fiber cables (also known as premises cables) which have core diameters of 50 or 62.5 μm .