AD-NET TECHNOLOGY CO.,LTD

Fast Ethernet WDM media converter:

The AN-UM-130SM-20 & AN-UM-150SM-20 converter complies with IEEE 802.3 standards. It is designed to convert data signal between 10/100 Base-TX and 100 Base Fx Fast Ethernet using WDM (wave division multiplexing technology) for single fiber transmission.

Feature:

- Complies with IEEE802.3 and IEEE802.3u 10/100Base-TX and 100Base-FX
- MTU size supported 1600 bytes maximum
- Supports pure converter mode data forwarding for extreme low latency
- Built in 128Kb RAM for data buffer
- Supports modified cut-through frame forwarding for low latency
- Optional forward fragments
- 10/100Mbps and full/half duplex automatically configure in TP port
- Supports end fault function (optional)
- MDI/MDI-X Auto Negotiation
- Support EEPROM configuration
- LED Indicators: POWER, FX LINK/ACT, 100, TP LINK/ACT, FDX/COL.
- FCC Class A & CE approved

- LLR, LFP – Link Loss Return (LLR), Link Failure Pass (LFP) features supported (please mention this when place order or require price, by default this feature is not included)
- RoHs compliant
- Only 1 fiber used instead of 2 – WDM BiDi technology
- Stainless steel parts (value added feature)
- Standalone, Wallmount or Hotpluggable in 19′ chassis – universal design

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/℃
Input Power Range (dBm): 0~-40
Imax: 800mA
Power: 2.5 W
High perfomance 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)
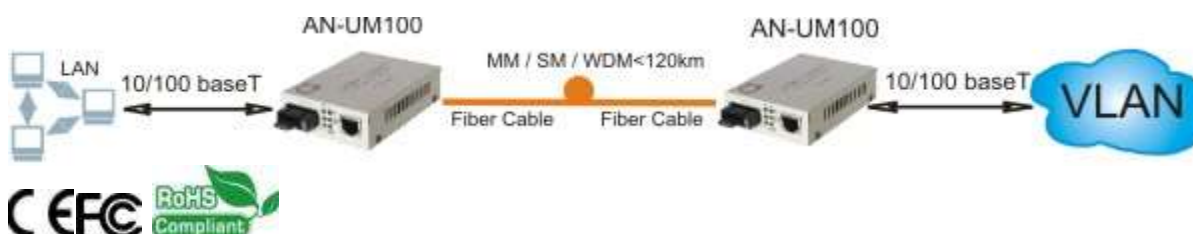**Input power:** IA@+5VDC or 110~260VAC or 48VDC
Dimensions: 95×70×26mm (external power), 95×70×26mm (external power)
Environment:
Relative humidity;5% to 90%
Operating temperature: 0 to 70 degrees
Storage temperature : -20 to 7

Product Description:

The AN-UM-130SM-20 & AN-UM-150SM-20 converter complies with IEEE 802.3 standards. It is designed to convert data signal between 10/100 Base-TX and 100 Base Fx Fast Ethernet. The media converter is connected between Fiber cable and twisted cable segments with network operating smoothly.

This converter can be used as a standard alone unit or a slide-in module to fit the 19 converter rack.

Adopting WDM technology, AN-UM-130SM-20 & AN-UM-150SM-20 takes only one fiber cable to transmit and receive data, which will save half cabling cost for you.

BiDi WDM – Wave Division Multiplexing Technology allows you use just a 1 fiber cable instead of 2, because transmit and receive channels are separated by different wavelengths.

Converters universal – they can work as standalone modules in point to point applications with external power supply modules – or same converter can be used as a plug in module in AN-CH05 14 slot chassis. Such universal design, made by AD-Net saves a lot of money and time to your network planning – you no need thing, how much units you need as standalone and how much units you need as plug in modules in chassis – just order same module and decide later.

Also, it does not matters, what type of TX/RX are you using at central side or remote side, they will always operate smooth.