

Media Converter

10/100/1000M



OVERVIEW

Kimtech's 10/100/1000M Ethernet media converter adopts switching technology to fulfill media conversion. It complies with IEEE802.3z and IEEE802.3ab standards, and supports two types of media network connections: 10/100/1000Base-T and 1000Base-SX/LX. It inter-converts electrical signals of 10/100/1000Base-T twisted pairs with optical signals of 1000Base-SX, extending the transmission distance of a network from 100m via copper cables to 220m (fiber size: 62.5/125 μ m)/550m (fiber size: 50/125 μ m) via fiber optical cables. It supports transmission in multi-mode dual fiber; single-mode dual fiber, single-mode single fiber.

KEY FEATURES

- Supporting inter-conversion between 10/100/1000Base-TX and 1000Base-SX
- Supporting full-duplex and half-duplex and its auto-sensed
- Supporting automatic cross connection of twisted pair interfaces, facilitating system commissioning and installation
- Supporting the transmission of extra-long VLAN packets
- Supporting Quality of Service (QoS) and ensuring the transmission of VoIP packets
- Supporting STP to form a redundant network

APPLICATIONS

- 10/100/1000Mbps Gigabit optical Ethernet long-distance transmitting network

SPECIFICATION

Parameter	Specifications
Access mode	10/100/1000Mbps
Standard	IEEE802.3ab, 1000Base-T, IEEE802.3z 1000Base-SX/LX Gigabit thernet, IEEE802.1qVLAN, IEEE802.1p QoS, IEEE802.1d Spanning Tree
Wavelength	Multimode:850/1310nm; Single-mode:1310/1550nm (Option)
Distance	Category-5 twisted pair: 100m Fiber: multi-mode 50/125, 62.5/125μm (the max distance up to(220m or 550m) Fiber: Single -mode 8/125, 8.7/125, 9/125, 10/125μm (the max distance up to 20 -80km)
Port	One RJ45 port: <ul style="list-style-type: none"> For connecting STP/UTP category-5 twisted pairs One optical port: <ul style="list-style-type: none"> Multi-mode, dual fiber: SC (50, 62.5/125μm) Single mode, dual fiber: SC or FC (9/125μm) Single mode Single fiber: SC or FC (9/125μm)
Conversion means	Media conversion
MAC address table	1K
Buffer space	256kbit
Flow control	Full duplex: flow control; Half duplex: back pressure
Delay	Store-and-forward: 9.6μs; cut-through: 0.9μs
BER	<10 ⁻⁹
MTBF	100,000 hours
LED indicator	PWR (power supply), FX LINK (optical link action), TP LINK1000 (twisted pair link1000M), TP LINK100 (twisted pair link 100M), TP ACT (twisted pair packet forwarding)
Power supply	DC5V 1A (external), AC220 0.5A/DC-48 (internal)
Power consumption	5W
Operating temperature	-10~55°C
Operating humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5% ~ 90% non-condensing
Dimensions	External power supply: 26mmx 70mm x 95mm Internal power supply: 40mm x 110mm x 140m

Get more info, please contact us

Email: Sales@kimtech.co.th, kimtech@truemail.co.th

Tel: 02 -728-2747, 087-929-3178

Fax:02-728-2745