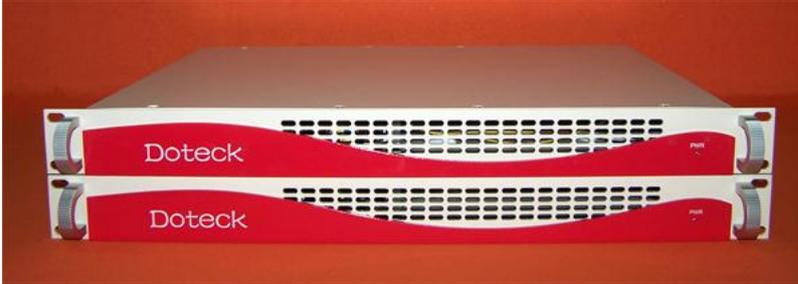


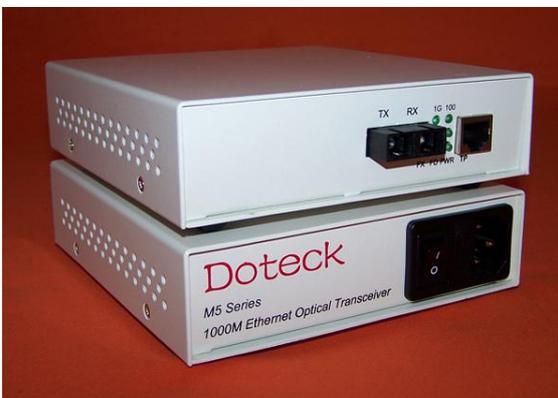
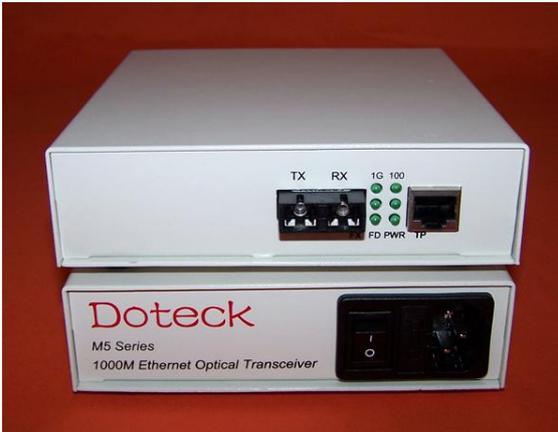
Doteck

Doteck M5 Series

IP Network fiber optic Transmission System



19-inch 1RU, dual power supply



Small Box

Feature

- (1) Compatible to IEEE802.3z/AB standard

- (2) Extend UTP transmission distance up to 10km, even as far as 100km
- (3) Work in full-duplex mode
- (4) Support electrical signals from the gigabit ethernet
- (5) All components, including connectors, are ordered from public-known manufacturers in the world, high stability and reliability ensurance
- (6) Enclosure box material is made of aluminum, elegant appearance, and light weight
- (7) A variety of installation options: 18-slot rack(3RU), 8-slot rack(2RU), particularly suitable for large volume optical transmission platform construction, and also available for 4-slot rack(1RU), 2-slot rack(1RU) and single-slot mini rack, fixed 19-inch 1RU box, mini small box

Introduction

Doteck M5 series IP network fiber optic transmission system used to convert electrical signals from the gigabit ethernet into optical signals and compatible to IEEE802.3z/AB standard. It can be used for data communication between 1000Base-FX optic cables or between 1000Base-T UTP and 1000Base-SC optic cable. This unique device can be used to extend transmission distance from UTP transmission distance limitation 100m up to 10km, even as far as 100 km. It can simply implement connecting a single server, repeaters, hubs, switches, terminals and an interconnection.

Doteck M5 series is divided into pure gigabit fiber optic transceiver and 10/100/1000M adaptive fiber optic transmission system. Pure gigabit optical interfaces can only work in full-duplex mode, 10/100/1000M adaptive fiber optic ports operate in full-duplex working patterns, and the electrical interface is capable of operating at the rate of the 10M, 100M, and 1000Mbps.

Technical Specifications

IP network	
Standard	IEEE802.3z/AB 1000Base_T/SX/LX/ZX
Interface	RJ45
Transmission rate	10/100/1000Mbps
Duplex mode	Full duplex or half duplex

Twisted-pair cable	5 categories, 6 categories
Physical	
Dimension(H×W×D, mm)	
19-inch 1RU box	44×433×346(mm)
Mini box	39×143×153(mm)
Power supply	130-260VAC, 50/60Hz
Power consumption	<5W
Operation temperature	0-50℃
Relative humidity	0-95%, non-condensing
LED status indicator	Power, optical link, data activity
Fiber optic link	
Fiber type	Single mode
Number of fiber	1 or 2
Wavelength	1310nm/1550nm
Distance	0-40km, 0-60km, or 0-100km optional
Connector	FC/PC, or SC/PC

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