深圳易天光通信有限公司
ETU-LINK TECHNOLOGY CO., LTD

Fiber Switch

The fiber switches are unmanageable,when convert transmission,all ports share the same data. They can extend the network transmission from 100m to 120km and can realize the interconnection between motherboard server, Repeaters, hubs, switches, terminal.Plug and play design makes easy installation, no on-site adjustment. Operation status can be monitored through a set of Diagnostic LED.

Features

- In conformity to IEEE802.3 10base-T, IEEE802.3u 100 base-TX/FX, IEEE802.3ab 1000 base-T, IEEE802.3z,1000base-SX/LX, IEEE802.1a, IEEE802.1PQ0S, IEEE802.1d Spanning Tree.
- Hot Plug-gable & Wall-Mountable.
- Stable performance more than 50thousand hours with fault-free.
- Unique IC solution applied.
- Supports 10/100Mbps and 10/100/1000M full/half duplex, easy upgrades.
- Auto MDI/MDI-X.
- Auto Negotiation.
- Support flow control.
- Stable performance more than 50 thousands hours with fault-free.
- In conformity with safety code of FCC, CE and RoHS.

Specifications

Optical Interface	Connector	1x9 SC/FC/ST
	Data Rate	100Mbps, 1000Mbps
	Duplex Mode	Full duplex
	Fiber	MM 50/125um,62.5/125um SM 9/125um
	Distance	100Mbps: MM 2km,SM 5/25/40/60/80/100/120km 1000Mbps: MM 550m/2km,SM 5/20/40/60/80km
	Wavelength	MM 850nm,1310nm SM 1310nm,1550nm WDM Tx1310/Rx1550nm(A side),Tx1550/Rx1310nm(B side) WDM Tx1490/Rx1550nm(A side),Tx1550/Rx1490nm(B side)
UTP Interface	Connector	RJ45
	Data Rate	10/100Mbps, 10/100/1000Mbps
	Duplex Mode	Half/full duplex
	Cable	Cat5,Cat6

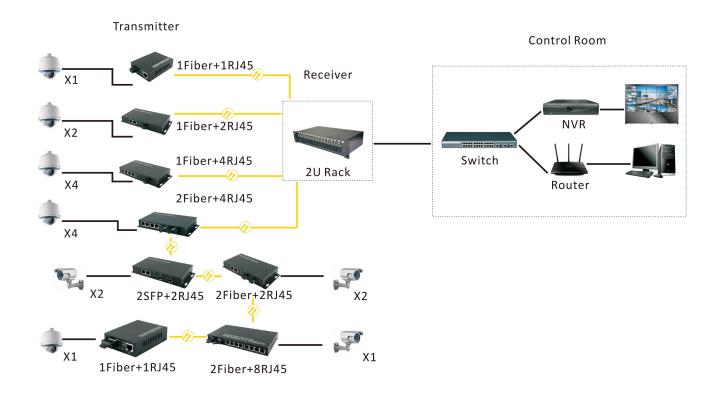| Power Input	Adapter Type	DC5V
	Power Built-in Type	AC100~240V
Power Consumption		＜3W
Temperature		0~50℃ Operating; -40~70℃ Storage
Humidity		5~95%(no condensing)
MTBF		≥10.0000h
Certification		CE,FCC,RoHS

Application

➢ Extend your Ethernet connection up to 0~120km away using fiber optics

➢ Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber optic networks/backbones

➢ Converts Ethernet to fiber, fiber to copper/Ethernet, ensuring optimum network scalability for connecting two or more Ethernet network nodes (e.g. connecting two buildings on the same campus)

➢ Designed to provide high-speed bandwidth for demanding large scale work groups that require expansion of Gigabit Ethernet Network
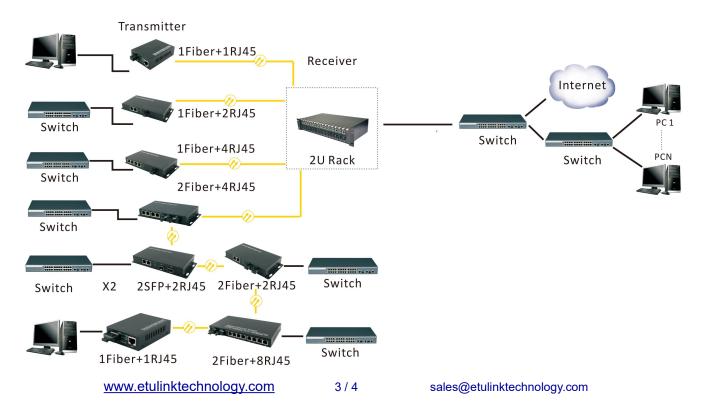
System Design

1. For Networking

Transmitter

1Fiber+1RJ45

X1

1Fiber+2RJ45

X2

1Fiber+4RJ45

X4

2Fiber+4RJ45

X4

Receiver

2U Rack

Control Room

Switch

NVR

Router

X2   2SFP+2RJ45   2Fiber+2RJ45   X2

X1   1Fiber+1RJ45   2Fiber+8RJ45   X1

2. For CCTV Surveillance Security

Transmitter

1Fiber+1RJ45

Receiver

1Fiber+2RJ45

Switch

1Fiber+4RJ45

Switch

2Fiber+4RJ45

Switch

2U Rack

Internet

Switch

Switch

PC 1

PCN

Switch   X2   2SFP+2RJ45   2Fiber+2RJ45   Switch

1Fiber+1RJ45   2Fiber+8RJ45   Switch

Order Information

Part Number	Description
EMD-100-1F1R	10/100M Dual Fiber, 1Fiber and 1RJ45 ports
EMD-100-1F2R	10/100M Dual Fiber, 1Fiber and 2RJ45 ports
EMS-100-1F2R	10/100M Single Fiber, 1Fiber and 2RJ45 ports
EMD-100-1F4R	10/100M Dual Fiber, 1Fiber and 4RJ45 ports
EMS-100-1F4R	10/100M Single Fiber, 1Fiber and 4RJ45 ports
EMD-100-2F2R	10/100M Dual Fiber, 2Fiber and 2RJ45 ports
EMS-100-2F2R	10/100M Single Fiber, 2Fiber and 2RJ45 ports
EMD-100-8F2R	10/100M Dual Fiber, 8Fiber and 2RJ45 ports
EMS-100-8F2R	10/100M Single Fiber, 8Fiber and 2RJ45 ports
EMD-1100-1F1R	10/100/1000M Dual Fiber, 1Fiber and 1RJ45 ports
EMD-1100-1F2R	10/100/1000M Dual Fiber, 1Fiber and 2RJ45 ports
EMS-1100-1F2R	10/100/1000M Single Fiber, 1Fiber and 2RJ45 ports
EMD-1100-1F4R	10/100/1000M Dual Fiber, 1Fiber and 4RJ45 ports
EMS-1100-1F4R	10/100/1000M Single Fiber, 1Fiber and 4RJ45 ports
EMD-1100-1F8R	10/100/1000M Dual Fiber, 1Fiber and 8RJ45 ports
EMS-1100-1F8R	10/100/1000M Single Fiber, 1Fiber and 8RJ45 ports
EMD-1100-2F2R	10/100/1000M Dual Fiber, 2Fiber and 2RJ45 ports
EMS-1100-2F2R	10/100/1000M Single Fiber, 2Fiber and 2RJ45 ports
EMD-1100-2F4R	10/100/1000M Dual Fiber, 2Fiber and 4RJ45 ports
EMS-1100-2F4R	10/100/1000M Single Fiber, 2Fiber and 4RJ45 ports
EMD-1100-2F8R	10/100/1000M Dual Fiber, 2Fiber and 8RJ45 ports
EMS-1100-2F8R	10/100/1000M Single Fiber, 2Fiber and 8RJ45 ports