EM-1100-2SS2XX

SFP to Ethernet Switch

This SFP to Ethernet Switch makes transmission between UTP Copper cables and Slot SFP (Small Form-Factor Plug-gable) transceivers. It is designed to meet the massive needs for Ethernet network deployment and able to extend a copper based network via Slot cable to a maximum distance up to 120km. It can be installed into a Standard Converter Chassis. The installation & operation procedures are simple & straight forward. Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.

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 Pluggable & 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.
- Optional function: VLAN 802.1Q
- Auto MDI/MDI-X.
- Auto Negotiation.
- Support flow control.
- Stable performance more than 50 thousands hours with fault-free.
- Interface: RJ-45 connector / SFP Slot
- In conformity with safety code of FCC, CE and RoHS.

Specifications

Optical Interface (SFP)	**Connector**	SFP LC/SC
	Data Rate	100Mbps, 1000Mbps
	Duplex Mode	Full duplex
	Slot	MM 50/125um,62.5/125um SM 9/125um
	Distance	100Mbps: MM 550M/2km,SM 20/40/60/80/100/120km 1000Mbps: MM 550m/2km,SM 20/40/60/80/100/120/140km
	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 Port
	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 Slot optics

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

➢ Converts Ethernet to Slot, Slot 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.

Order Information

Part Number	Description
EM-1100-2SS2XX	10/100/1000Mbps 2SFP Slot and 2RJ45 Port