FSW-2104

4-Port 10/100Base-TX and 100Base-FX Switch

The FSW-2104 provides a low cost solution for non-managed Ethernet fiber switches. The FSW-2104 is a 4-port 10/100Base-TX plus 1-port 100Base-FX Fast Ethernet switch. It is designed for small workgroup applications that require a long distance connection to the backbone, such as between buildings, offices, or within a campus location. FSW2104 provide full-duplex capability on each auto-negotiating port, for enhanced performance. A wide range of transceiver selection provides fiber connection with SC, FC or ST type connectors in multimode or single mode and at distance from 2 to 120km as well as BiDi (single fiber) at distances of 20, 40, 60, or 80km.
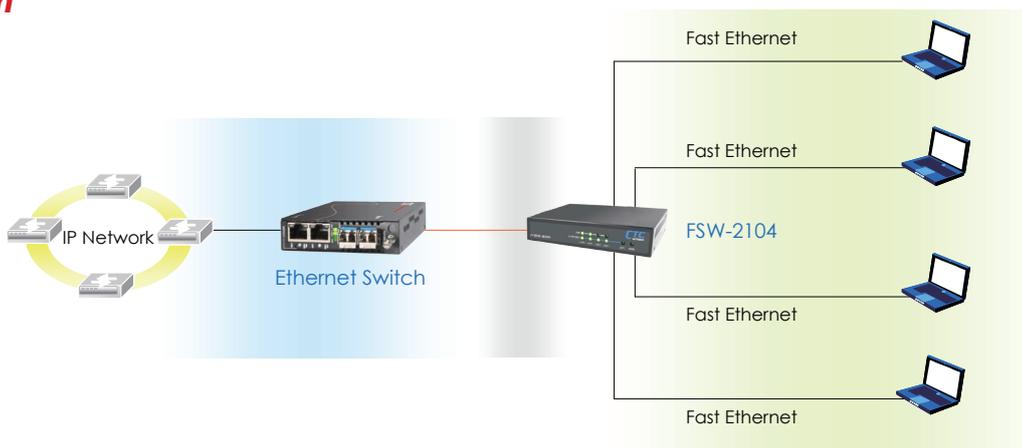
Features

- 4-Port 10/100Base-TX to 100Base-FX
- Auto-Negotiation
- Auto MDI / MDIX
- Forward 1552 bytes (Max.) packets

- Supports 1K MAC address
- 512k bits packet buffer memory
- Supports broadcast storm protection

Specifications

Optical Interface	Connector	1x9 (SC, ST)
	Data rate	100Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125μm, 62.5/125μm.
		SM 9/125μm
	Distance	MM 2km, SM 15/30/50/80/120km
		WDM 20/40/60/80km
	Wavelength	MM 1310nm, SM 1310,1550nm
		WDM 1310Tx/1550Rx (type A)
		1550Tx/1310Rx (type B)
Electrical Interface	Connector	RJ-45
	Data rate	10Mbps, 100Mbps
	Duplex mode	Half / Full duplex

Electrical Interface	Cable	10Base-T Cat.3, 4, 5, UTP
		100Base-TX Cat.5, 5e or higher
Standards	IEEE 802.3, IEEE 802.3u	
Indications	LED (FX Link, TX SPD, TX Link/Act)	
Power Input	Card : 5 VDC	
	Standalone : AC, DC options	
Power Consumption	< 4W	
Dimensions	138 × 77 × 28mm (D x W x H)	
Weight	450g	
Temperature	0 ~ 50℃ (Operating), 0 ~ 70℃ (Storage)	
Humidity	10 ~ 90% non-condensing	
Certification	CE, FCC, RoHS compliant	
MTBF	65,000 hrs	

Application

Ordering Information

Model Name	Description
FSW-2104	4-Port 10/100Base-TX to 100Base-FX Managed Switch
Connector Type	**Connectivity Distance**
SC	002: 2km 015: 15km 030: 30km 050: 50km 080: 80km 120:120km
	20A: WDM 20km A type 20B: WDM 20km B type 40A: WDM 40km A type 40B: WDM 40km B type
	60A: WDM 60km A type 60B: WDM 60km B type 80A: WDM 80km A type 80B: WDM 80km B type

Connector Type   Connectivity Distance

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Example: FSW – 2104 – SC002

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.