

## SSF-1SFPx4RJ45-1G

# SFP / Ethernet Non-Managed Switch

# Manual

## Model & Description

**SSF-1SFPx4RJ45-1G** - 8xSFP Slot 1000Base-X, 2xRJ45 Gigabit 10/100/1000Base-Tx, AC US adapter included.

## Overview

The SSF-1SFPx4RJ45-1G is a 100/1000Base-X to Gigabit Ethernet 10/100/1000Base-T non-managed switch providing a solution to endpoint devices. The SFP slot allows both Gigabit and Fast Ethernet operation and can accept all SFP types, including Multimode, Single Mode, CWDM, DWDM, or BiDi.

In addition, with it's available 4 RJ45 ports the switch helps to provide an overall solution for Ethernet applications in different environments requiring more than 1 ethernet port. This switch also features a slimline housing with built in mounting brackets simplifying installations in tight spaces such as behind TV's, work areas, or other applications.

## Features

- 4\*10/100/1000Mbps RJ45 port,UP-Link 1\*1000Mbps SFP port
- Compatible with IEEE802.3AF/AT
- Input Power: 5V1A / 5V2A
- All port supported by MDI/MDIX auto flip and self negotiation
- Supply 4 ea 10/100/1000Mbps adaptive high speed forwarding data packet non-lost port.
- Low heat design, safe and reliable, high stability
- Power supply included; Input AC100-260V/Output 50Hz DC5V.
- LED indicators for monitoring power/link/activity

## LED Description

NAME	INDICATION
FX	Lit when FX connection is good.
	Blinks when FX data is transmitting
TP	Lit when TP connection is active
	Blinks when TP data is transmitting
PWR	Lit when power is on

## Applications



## Contents

The package contains the following:

- 1 x 5 port SFP-TP Gigabit switch
- AC-DC power adapter
- This User's Manual

## Installation

### Installation

1. Choose a flat secure surface with room for proper ventilation.
2. Power up the unit using the included AC adapter. Observe PWR LED status indicating proper power to the unit.
3. Connect RJ45 UTP port using Cat5e or better cable to another Ethernet device. Make sure the TP LED indicates proper connectivity.
4. Insert a Gigabit or Fast Ethernet rated SFP transceiver into the SFP slot. Make sure the fiber transceiver used matches the fiber type (MM or SM) and also a similar optical transceiver at the other end of the fiber. Inspect FX LED for proper fiber link status.

### Troubleshooting

1. No TP/LNK light: verify proper UTP cabling/pinout.
2. No FX/LNK light: verify fiber connectivity and fiber type. Consider cleaning up fiber connectors and SFPs with appropriate tools. Make sure Tx and RX ports are properly crossed between units. Make sure FX speed is properly set on DIP sw.
3. No PWR light: Use only the AC adapter included. Make sure AC power is available

## Technical Specifications

GENERAL	
TP ports (RJ45)	4 x 10/100/1000 mbps
SFP slots	1 x 100/1000 mbps
Network Protocols	IEEE 802.3i 10Base-T
	IEEE 802.3u 100Base-Tx
	IEEE 802.3x 1000Base-Tx
	IEEE 802.3 Ethernet Media Access Control
Data transfer rate	Fast Ethernet Full / Half Duplex
MAC Address Table	16K MAC address
Buffer Memory	48Kb embedded memory
Packet max. size (bytes)	10K
Safety	Present
Power Supply	AC US 120, 5V

OPERATION & DETAILS	
Operating Temp (°C)	-20 ~ 75
Operating Humidity	90% maximum relative humidity, non-condensing
Storage Temp (°C)	-40 ~ 85
Dimensions (mm) *	134 x 82 x 27 mm (L*W*H)
Weight (g)	0.8Kg, G.W: 1.1Kg
Warranty	2 years

\* dimensions are taken with no SFPs inserted, or Ethernet connections inserted.