

## Introduction

The FSW-2104 provides a low cost solution for non-managed Ethernet fiber switches. It is a 4-port 10/100Base-TX plus 1-port 100Base-FX Fast Ethernet switch, designed for small workgroup applications that require a long distance connection to the backbone, such as between buildings, offices, or within a campus location and provides full-duplex capability on each auto-negotiated 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 at distances from 2 to 120km as well as BiDi (single fiber SC) at distances of 20, 40, 60 or 80km.

## Features

- 4 port 10/100Base-T(X) RJ45 port + 1 port 100Base-FX fiber port
- Auto-negotiation of 10/100Mbps rate and Half/Full-Duplex
- Auto MDI-MDIX
- Support 2K MAC address
- Supports max forwarding packet length of 1552 bytes
- Supports broadcast storm protection

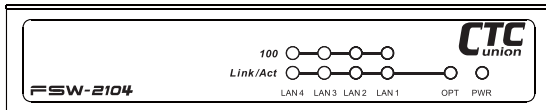
# User Guide

Non-managed Ethernet Switch – FSW-2104

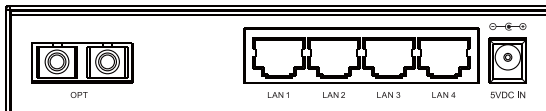


## Panel

■ Figure 1. Front Panel of FSW-2104



■ Figure 2. Rear Panel of FSW-2104



## LED Indicators

LED	Function	State	Status
PWR	Power indicator	On	Switch has power
		Off	Switch has no power
OPT	Fiber Link/Act	On	Fiber link is ok
		Off	No link or the link is faulty
		Blinking	Transmission and Receiving data on fiber
LAN1~LAN4	Ethernet Link	On	UTP link is ok
		Off	No link or the link is faulty
		Blinking	Transmission and Receiving data on LAN
100	LAN Speed	On	100Mbps
		Off	10Mbps

## Specifications

- Standards: IEEE 802.3 10Base-T  
IEEE 802.3u 100Base-TX  
IEEE 802.3u 100Base-FX  
IEEE 802.3x Flow Control
- Interface: 4 port 10/100Base-TX plus 1-port 100Base-FX
- Transmission Media:  
UTP: 10BaseT Cat. 3, 4, 5 UTP/STP  
100BaseTX Cat. 5 UTP/STP  
Fiber: 100BaseFX  
50/125µm or 62.5/125µm Multi Mode SC Fiber cable  
9/125µm or 10/125µm Single Mode Fiber cable
- Power Supply: 5VDC / 2A AC Switching Adaptor
- Power Consumption: < 4W
- Dimensions: 138 × 77 × 28 mm (L x W x H)
- Weight: 450g
- Environment: Operating – 0°C – 50°C  
Humidity – 10 – 90% RH ( non-condensing )
- MTBF: 65000 h (25°C)
- Certification: FCC Class A, CE

## Application

