

MDU-2400FXC

4 Port 100Mbps SC Fiber Switch Module

MDU-2800TX

8 Port 10/100Mbps Fast Ethernet Switch Module

MDU-2100SX

1000SX Gigabit Switch Module

Installation Guide

Introduction

MDU-2400FXC 4 Port 100Mbps SC Fiber Switch Module

There are two open slots ('MODULE 1' and 'MODULE 2') on the front panel of the Scalable Ethernet Switch. The user can choose to slide in up to two of the FX modules to increase the link distance. This users guide describes the installation steps for the 4Port 100Base-FX fiber module. Also note that the module only works when incorporated with the base unit. For detailed system level operation, please refer to the Users Manual.

MDU-2800TX 8 Port 10/100Mbps Fast Ethernet Switch Module

There are two open slots ('MODULE 1' and 'MODULE 2') on the front panel of the Scalable Ethernet Switch. The user can choose to slide in up to two of the modules to increase 10/100Mbps-port density. This users guide describes the installation steps for the 8-Port 100Base-TX module. Also note that the module only works when incorporated with the base unit. For detailed system level operation, please refer to the Users Manual.

MDU-2100SX 1000SX Gigabit Switch Module

There are two open slots ('MODULE 1' and 'MODULE 2') on the front panel of the Scalable Ethernet Switch. The user can choose to slide in up to two of the modules to equip the system with 1000Mbps-port capability. This users guide describes the installation steps of the 1Port 1000Base-SX fiber module. Also note that the module only works when incorporated with the base unit. For detailed system level operation, please refer to the Users Manual.

Installation

Please be sure the power of the system is down during the installation. Insert one or two modules into the slots on the front panel of the switch (be sure the module is aligned within the guide-rails and that the two fasteners on the front side of the module are tightened), as shown in the following figure.



GSW-1600TXM with MDU-2400FXC



GSW-1600TXM with MDU-2800TX



GSW-1600TXM with MDU-2100SX

Note: For **MDU-2100SX** 1000SX Gigabit Switch Module. The transmitter of the Fiber Optic Transceiver is on the left-hand side (the one close to the Power LED) while the receiver is on the right-hand side (the one close to the Link LED).

Status LEDs

MDU-2400FXC 4 Port 100Mbps SC Fiber Switch Module

Once the module(s) slides into the open slot(s) on the front panel of the switch, the LED indicators for the module(s) will be shown in the LED Monitor area of the. The display includes all the possible configurations. For instance, when the 'MODULE 1' slot is occupied, LED columns 17 to 20 are used as indicators for the module. When the 'MODULE 2' slot is used, LED columns 25 to 28 are the indicators. There are three LEDs for each port. Their definitions are described as follows:

10/100Mbps LED

Off	Not Applicable
Solid Green	100Mbps

Full/Col LED

Off	Half Duplex operation (Default)
Solid Green	Full Duplex operation
Blinking Amber	Collisions detected for half Duplex operation.

Link/Act. LED

Off	Port is link down.
Solid Green	Port is link up and no traffic.
Blinking Green	Port is link up and with traffic.

MDU-2800TX 8 Port 10/100Mbps Fast Ethernet Switch Module

Once the module(s) slides into the open slot(s) on the front panel of the switch, the LED indicators for the module(s) will be shown in the LED Monitor area . The display includes all the possible configurations. For instance, when the ‘MODULE 1’ slot is occupied, LED columns 17 to 24 are used as indicators for this module. When the ‘MODULE 2’ slot is used, LED columns 25 to 32 are the indicators. There are three LEDs for each port. Their definitions that described as follows:

10/100Mbps LED

Off	10Mbps (Default)
Solid Green	100Mbps

Full/Col LED

Off	Half Duplex operation (Default)
Solid Green	Full Duplex operation
Blinking Amber	Collisions detected for half Duplex operation.

Link/Act. LED

Off	Port is link down.
Solid Green	Port is link up and no traffic.
Blinking Green	Port is link up and with traffic.

MDU-2100SX 1000SX Gigabit Switch Module

Once the module(s) slides into the open slot(s) on the front panel of the switch, the LED indicator for the module(s) will be shown on the module itself. Note also that, when the 'MODULE 1' slot is occupied, the port becomes Port 17 of the switch. When the 'MODULE 2' slot is used, the port becomes Port 25 of the switch. There are three LEDs for the 1000Mbps port. Their definitions are described as follows:

Power LED

Off	No power
Solid Green	System is in operation.

Full/Col LED

Solid Green	Full Duplex operation
Solid Yellow	Half Duplex operation
Blinking Yellow	Collisions detected for half Duplex operation.

Link/Act LED

Off	Port is link down.
Solid Green	Port is link up and no traffic.
Blinking Green	Port is link up and with traffic.

Technical Specification

MDU-2400FXC 4 Port 100Mbps SC Fiber Switch Module

Standard	IEEE802.3u, 100Base-FX
Interface	Fiber SC connector
Environment	Temperature: Operating: 0°C to 40°C Storage: -20°C to 70°C Humidity: Operating: 10%RH to 90%RH Storage: 5%RH to 90%RH
Dimension	145 x 116.8 x 25 mm (W x D x H) 5.7 x 4.6 x 0.98 in
EMI	FCC, CE, VCCI Class A

MDU-2800TX 8 Port 10/100Mbps Fast Ethernet Switch Module

Standard	IEEE802.3u, 100Base-TX
Interface	RJ-45 connector
Environment	Temperature: Operating: 0°C to 40°C Storage: -20°C to 70°C Humidity: Operating: 10%RH to 90%RH Storage: 5%RH to 90%RH
Dimension	145 x 116.8 x 25 mm (W x D x H) 5.7 x 4.6 x 0.98 in
EMI	FCC, CE, VCCI Class A

MDU-2100SX 1000SX Gigabit Switch Module

Standard	IEEE802.3z, 1000Base-SX
Interface	Fiber SC connector
Environment	Temperature: Operating: 0°C to 40°C Storage: -20°C to 70°C Humidity: Operating: 10%RH to 90%RH Storage: 5%RH to 90%RH
Dimension	145 x 116.8 x 25 mm (W x D x H) 5.7 x 4.6 x 0.98 in
EMI	FCC, CE, VCCI Class A