

FM-S2U

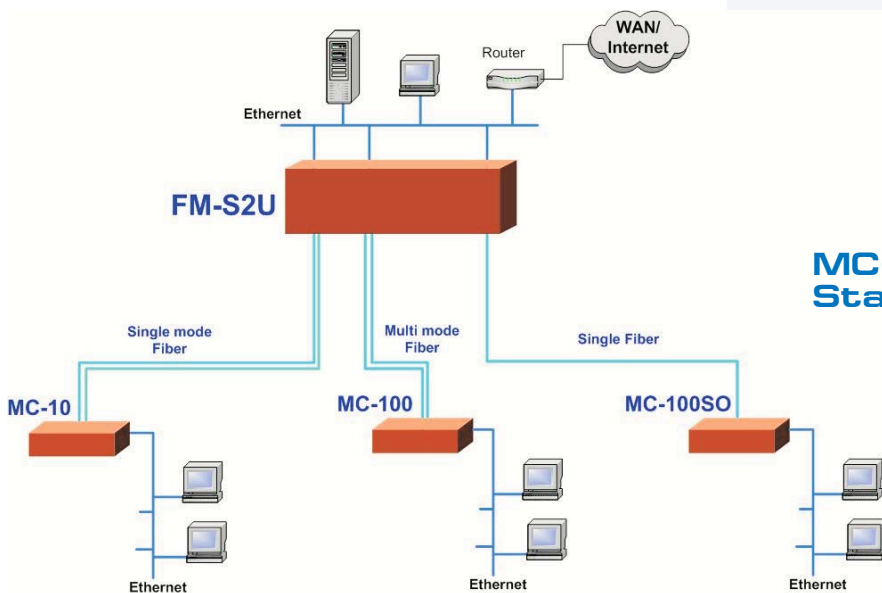
1 4-slot Managed Chassis for Optical Ethernet

Description

FM-S2U a 14-slot managed chassis provides a very flexible, low cost, compact solution for Ethernet transport over all types of optical fibers. It can be mounted into 19" rack at central office for aggregation of Ethernet streams from branch/customer's offices through fiber optic cables of different length. FM-S2U supports all Olencom MC Series media converter modules including our new line of WDM enhanced media converters that allow full duplex transmission over a single fiber.

FM-S2u is compatible with Olencom Media Converter Cards come in 10, 100, 10/100Mbps for single or multimode, transmitting over a fiber pair or even a single fiber.

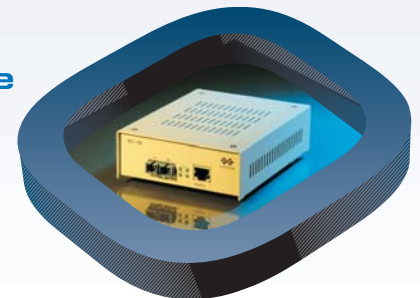
Application



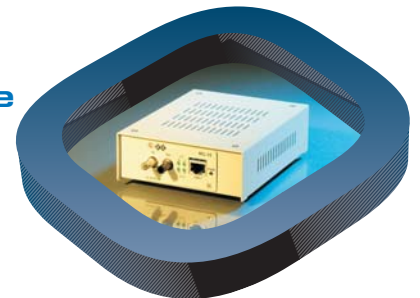
Features

- ✓ 14 slots for different plug-in media converters in a compact 2U package
- ✓ Variable optical line interface for different fiber types for different distances
- ✓ Auto-negotiated Ethernet interface for 10/100 Mbps line speed and half/full-duplex transmission mode
- ✓ Redundant power supply
- ✓ Local control via LEDs and RS232 terminal port
- ✓ Remote control via SNMP management

MC-100 Stand Alone



MC-10 Stand Alone



FM-S2U

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Management

FM-S2U supports local and remote control. LED indicators allows to user control the local and remote sides status of optical line, Ethernet link status and power of each module. ICM 2U module provides local management via CLI terminal at RS232 port, Network management via SNMP (MIB II, private MIB, etc.). It supports software

Product Specifications

Plug-in modules:

MC-10 SM	10Base-T single mode optical converter
MC-10 MM	10Base-T multi mode optical converter
MC-100 SM	100Base-TX single mode optical converter
MC-100 MM	100Base-TX multi mode optical converter
MC-100 SO	100Base-TX WDM based single fibre optical converter
MC-100 10/100 SM	auto-negotiated single mode optical converter
MC-100 10/100 MM	auto-negotiated multi mode optical converter
MC-100 10/100 SO	auto-negotiated WDM based single fibre optical converter
ICM 2U	management module.

Single mode optical interface

Wavelength	1310/1550 nm
Output power	-15 dBm
Minimum sensitivity	-32 dBm
Connector	FC (specify on order)

Multi mode optical interface

Wavelength	850/ nm
Output power	-23 dBm
Minimum sensitivity	-32 dBm
Connector	SC (specify on order)

Single mode single fiber optical interface

Wavelength	1310/1550 nm
Output power	-15 dBm
Minimum sensitivity	-32 dBm
Connector	SC (specify on order)

download via TFTP. The system does not require a specific Network Management System (NMS) and can operate with any SNMP browser. Using SNMP Management System, users can remotely control the FM-S2U over IP-network from anywhere.

Ethernet interface

Protocol	10Base-T/100Base-TX/auto-negotiation
Data rate	10/100 Mbps
Transmission mode	half duplex/full duplex/auto-negotiation
Connector	RJ-45

Management interface

CLI terminal port	RS232, DB-9
SNMP port	10Base-T, RJ-45

Control

LEDs at each module	power, optical link (for each fibre), Ethernet link, duplex mode, 100 Mbps mode, activity (on both ports)
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CLI management	VT-100 terminal
SNMP management	MIB II, private MIB

Power

Input Voltage Range:	100-240V AC or 36-72V DC
Number of power supplies:	1 or 2
Type of power supplies:	full redundancy

Physical

Cassis dimensions	420 x 89 x 220 mm (W x H x D)
Chassis weight:	3 kg
Module dimensions	89 x 22 x 115 mm (W x H x D)
Module weight:	0.38 kg

Environmental

Operating Temperature:	0-40 C
Humidity:	up to 90%, non condensing
Radiation Suppression:	per FCC part, subpart J, Class A (per VDE 0867)