FMC1000 Series
Single / Multimode Dual Core (SC) Fibre Media Converter

* Fiber to 10/100/1000Base GE Media Converter
* Dual Fibre SC connector
* Available for Single mode & Multimode
* Wavelength: 1310nm
* Max distance 2km (Multimode)
* Max distance 20km (Single mode)
* DC5V powered

System Overview

FMC1000 series are non-managed media converters, which give you economic solutions for media conversion between fiber and copper Ethernet. It provides SC connector for your fiber optic cables and RJ45 for twisted pair UTP cable connection. The maximum extension is up to 20km over fiber.

Features

* In conformity to EEE802.3u 100 base-TX/FX, IEEE802.3ab 1000 base-T, IEEE802.3z, 1000 base-SX/LX, IEEE802.1a, IEEE802.1d Spanning Tree.
* Hot Pluggable & Wall-Mountable.
* Unique IC solution applied.
* Supports 10/100/1000M full duplex, easy upgrades.
* Auto MDI/MDI-X.
* Auto Negotiation.
* Support flow control.
* Concentrated into MCC14-D5V (14 slots for media converter standalone type) 2U rack-mount chassis.
* Stable performance more than 50,000 hours with fault-free.
* In conformity with safety code of FCC, CE and RoHS.

Application

* Extend your Ethernet connection up to 0~120km away using fibre optics
* Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub-networks to larger fiber optic networks/backbones
* Converts Ethernet to fiber, fiber to copper/Ethernetm ensuring optimum network scalability for connecting two or more Ethernet network nodes
* Designed to provide high-speed bandwidth for demanding large scale work groups that require expansion of Gigabit Ethernet Network

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Specifications

Optical Interface	Connector	SC (default)
	Optical Module	1 *9 type
	Data Rate	100Mbps, 1000Mbps
	Duplex Mode	Full duplex
	Fiber	MM 50/125um, 62.5/125um; SM9/125um
	Distance	100Mbps: MM 2km, SM 25/40/60/80/100/120km 1000Mbps: MM 550m/2km,SM 20/40/60/80/100km
	Wavelength	MM 850nm, 1310nm SM 1310nm, 1550nm WDM Tx1310/Rx1550nm (A side), Tx1550/Rx1310nm (B side)
UTP Interface	Connector	RJ45
	Data Rate	10/100/1000Mbps
	Duplex Mode	Full duplex
	Cable	Cat5, Cat6, Cat 7
Power Input	Adapter Type	DC5V (default), 12V/24V/48V
	Power Built-in Type	AC100~240V
Power Consumption		<3W
Weight	Adapter Type	0.39kg
	Power Built-in Type	0.67kg
Dimensions	Adapter Type	94*70.5*26.5mm
	Power Built-in Type	140.5*111*30mm
Temperature		0~60°C Operating; -40~70°C Storage
Humidity		5~95% (no condensing)
MTBF		>10.000h
Certification		CE, FCC, RoHS