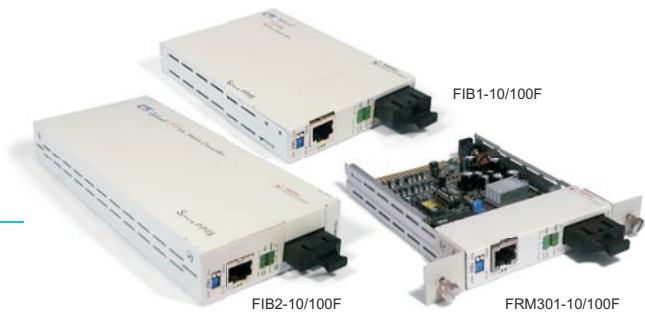## Managed Platform

Stand-alone Fast Ethernet to Fiber Media Converter

FRM301-10/100F
FIB1-10/100F, FIB2-10/100F

FRM301-10/100F, FIB1-10/100F, FIB2-10/100F series are Fast Ethernet 10/100Base-TX to 100Base-FX manageable stand-alone media converters, which give you the options to choose from the most popular fiber cabling connectors, ST, SC, or FC. Both multi-mode and single mode converter models are available as well as BiDi which allows bi-directional transmissions using only a single fiber cable. When auto-negotiation is selected, these units will automatically tailor themselves to convert both half-duplex and full-duplex signals, depending on your specific network needs. LED indicators signal the power status of the converter, UTP port speed, Link, and duplex status, FX port Link and duplex status.
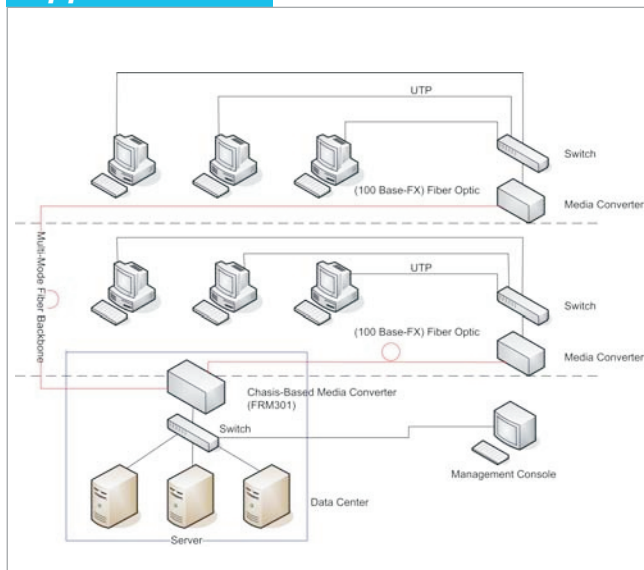
Features

- 10/100Base-TX to 100Base-FX Converter
- Auto-Negotiation or forced mode
- Auto MDI/MDIX
- Forward 1600 bytes (Max.) packets
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1q Tag VLAN pass thru
- Supports local monitor and configure by the SNMP manager.
- Support flow control (Pause)
- Supports Link Fault Pass through (LFP)
- Supports Loop Back Test
- Auto Laser Shutdown (ALS)

Specifications

Ports	Connector :	1x9 (SC, ST, FC)
Optical Interface :	Data rate :	100Mbps
	Duplex mode :	Full duplex
	Cable type :	MM 62.2/125µm, 50/125µm. SM 9/125µm
	Distance :	MM 2km, SM 15/30/50/80/120km, WDM 20/40/60/80km
	Wavelength:	1310nm, 1550nm
Electrical Interface :	Connector :	RJ45
	Data rate :	10Mbps, 100Mbps
	Duplex mode:	Half / Full duplex
	Cable type :	10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e
	Distance:	100 meters
Standard		IEEE 802.3, IEEE 802.3u
LEDs		Power, FX Link, FX Duplex, TX SPD, TX Link, TX Duplex
Power		FIB1:DC In 9V, FIB2:AC 100 ~ 240V/ DC 24 ~ 72V
Power Consumption		< 4W
Dimensions (D x W x H)mm		FRM301/FIB1: 123 x 86 x 20mm FIB2: 192 x 86 x 30mm
Weight		FRM301: 290g, FIB1: 340g, FIB2: 550g
Temperature		0~50°C (Operating) ,0~70°C (Storage)
Humidity		10~90% non-condensing
Certification		CE, FCC, RoHS
MTBF		65,000 h (25°C)

Application

Ordering Information

- **FRM301-10/100F**   10/100Base-TX to 100Base-FX slide-in card
- **FIB1-10/100F**   10/100Base-TX to 100Base-FX stand-alone converter
- **FIB2-10/100F**   10/100Base-TX to 100Base-FX AC or DC power built-in