

Fiber Managed Platform FIB1-1000ES

Stand-Alone Gigabit Ethernet Media Converter



The FIB1-1000ES is a standalone optical fiber media converter for 10/100/1000Base TX to 1000Base-SX/LX that also provides NMS functions for Link- Loss-Forwarding, Remote-Monitoring-Status, and Loop-Back-Test. These optional features are especially useful when the standalone units are linked to our FRM301 with SNMP management. When auto-negotiation is selected, these units will automatically tailor themselves to convert speed or duplex, depending on your specific network needs.

Another unique feature of the FIB1-1000ES converter is the use of a common PCB card which may either be placed in the rack (FRM301 series line card) or used as a standalone converter (FIB1 series). When installed in a FRM301 rack with SNMP, network administrators are able to manage any converter module from anywhere on the network, detect any loss and maintain each loop.

Features

- Ability to force 10Mbps or 100Mbps or 1000Mbps on UTP port
- Auto-Cross over for MDI/MDIX on UTP port
- Auto-Negotiation on UTP port
- Compatible with FRM301 Chassis for SNMP management
- Full or Half-Duplex on UTP port
- Max. Packet Size: 1536 Bytes
- Store and Forward Switching Mechanism
- Supports Auto / Force Mode on FX port
- Supports link-loss-forwarding function, loop-Back test, remote state monitor

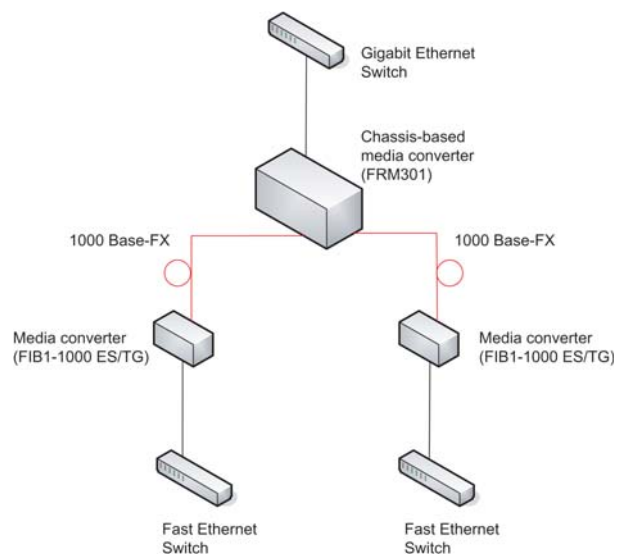
Specifications

Standard	IEEE 802.3 10Base-T, 802.3u 100Base-TX, 802.3ab 1000Base-T and 802.3z 1000Base-SX/LX standards	
Connector	TX	10/100/1000 Mbps RJ45
	FX	1000 Mbps SFP LC
LEDs	PWR, LLF, FX link, TP Link/Speed/Duplex	
Power	External AC adapter; 12VDC@ 1A	
Environment	Temperature	0 — 50°C (Operating); 0 — 70°C (Storage)
	Humidity	20 — 80% non condensing (Operating); 10 — 90% (Storage)
Power Consumption	< 4W	
Dimensions(DxWxH)	85.6mm x 122.6mm x 20mm	
Weight	340g	
Compliance	FCC part 15 class A, CE	
MTBF	257063 Hours	

Ordering Info

FIB1-1000ES	10/100/1000Base-TX to 1000Base-FX Gigabit converter, SFP-LC type, SFP not included
SFP Module Options	
SFM-7000-S85	SFP, MM , 850nm , 550m, LC
SFS-7010-L31	SFP, SM, 1310nm , 10km, LC
SFS-7040-H31	SFP, SM, 1310nm, 40km, DFB,LC
SFS-7050-X55	SFP, SM, 1550nm, 50km, DFB, LC
SFS-7080-Z55	SFP, SM, 1550nm, 80km, DFB, LC
SFS-7010-WA	SFP, BiDi, T1310/R1550nm, 10Km, LC
SFS-7010-WB	SFP, BiDi, T1550/R1310nm, 10Km, LC
SFS-7020-WA	SFP, BiDi, T1310/R1550nm, 20Km, LC
SFS-7020-WB	SFP, BiDi, T1550/R1310nm, 20Km, LC
SFS-7040-WA	SFP, BiDi, T1310/R1550nm, 40Km, LC
SFS-7040-WB	SFP, BiDi, T1550/R1310nm, 40Km, LC
SFS-7060-WA	SFP, BiDi, T1310/R1550nm, 60Km, LC
SFS-7060-WB	SFP, BiDi, T1550/R1310nm, 60Km, LC

Application



Fiber Managed Platform FIB1-1000TS



Stand-Alone Gigabit Ethernet Media Converter

The FIB1-1000TS is a standalone optical fiber media converter for 1000Base-T to 1000Base-SX/LX that also provides NMS functions for Link-Loss- Forwarding, Remote-Monitoring-Status, and Loop-Back-Test. These optional features are especially useful when the standalone units are linked to one of our rack type units with SNMP management. 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.

Another unique feature of the FIB1-1000TS converter is the use of a common PCB card which may either be placed in the rack (FRM301 series line card) or used as a standalone converter (FIB1 series). When installed in an FRM301 rack with SNMP, network administrators are able to manage any converter module from anywhere on the network, detect any loss and maintain each loop.

Features

- Auto-Cross over for MDI/MDIX in TP port
- Compatible with FRM301 Chassis for SNMP management
- Maximum package Size: 9K Byte
- Supports Link-Loss-Forwarding function, Loop-Back diagnostic test, remote state monitor
- Supports Force Mode in FX port

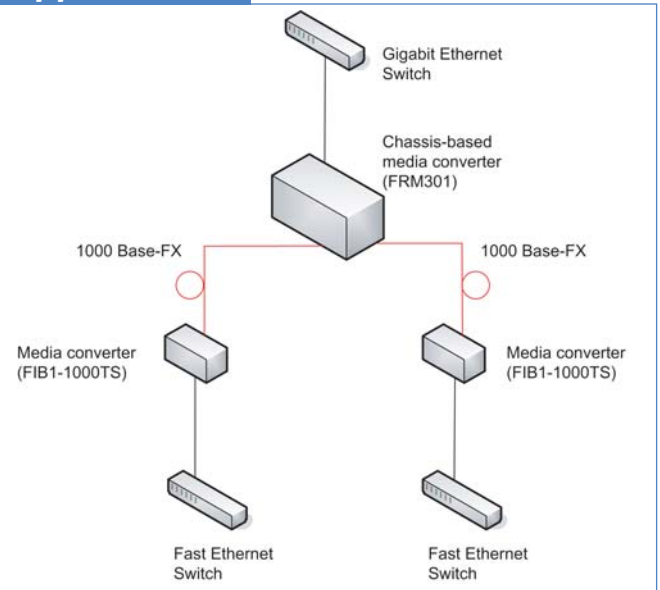
Specifications

Standard	802.3ab 1000Base-T, 802.3z 1000 Base-SX/LX standards	
LEDs	PWR, LLF, LBT, FX Link/Duplex, TP Link	
Power	External AC adapter; 12VDC@ 1A	
Environment	Temperature	0 — 50°C (Operating); 0 — 70°C (Storage)
	Humidity	20 — 80% non condensing (Operating); 10 — 90% (Storage)
Power Consumption	< 4W	
Dimensions(WxDxH)	85.6mm x 122.6mm x 20mm	
Weight	340g	
Compliance	FCC part 15 class A, CE	
MTBF	257063 Hours	

Ordering Info

FIB1-1000TS	10/ 100/ 1000Base-TX to 1000Base-FX Gigabit converter, SFP LC type SFP not included
SFP Module Options	
SFM-7000-S85	SFP, MM , 850nm , 550m, LC
SFS-7010-L31	SFP, SM, 1310nm , 10km, LC
SFS-7040-H31	SFP, SM, 1310nm, 40km, DFB,LC
SFS-7050-X55	SFP, SM, 1550nm, 50km, DFB, LC
SFS-7080-Z55	SFP, SM, 1550nm, 80km, DFB, LC
SFS-7010-WA	SFP, BiDi, T1310/R1550nm, 10Km, LC
SFS-7010-WB	SFP, BiDi, T1550/R1310nm, 10Km, LC
SFS-7020-WA	SFP, BiDi, T1310/R1550nm, 20Km, LC
SFS-7020-WB	SFP, BiDi, T1550/R1310nm, 20Km, LC
SFS-7040-WA	SFP, BiDi, T1310/R1550nm, 40Km, LC
SFS-7040-WB	SFP, BiDi, T1550/R1310nm, 40Km, LC
SFS-7060-WA	SFP, BiDi, T1310/R1550nm, 60Km, LC
SFS-7060-WB	SFP, BiDi, T1550/R1310nm, 60Km, LC

Application



Fiber Managed Platform FIB1-1000MG



Stand-Alone Gigabit Fiber Media Converter/ Repeater

The FIB1-1000MG is a multimode (850nm) to single mode (GBIC module) fiber optical media converter and repeater that allows data rates up to 1.25Gbps. The converter performs re-amplification and re-shaping of the optical signal. This converter is compatible with fiber interfaces such as FDDI, STM-1, STM-4, OC1, OC3, OC12, OC24, 1G fiber channel, fast and Giga Ethernet.

Features

- Compatible with FRM301 Chassis for SNMP management
- Converts Single mode to Multi-mode or Multi-mode to Single Mode
- Extend Fiber Optic distance up to 550m / 1,815ft (Multi-mode)
- Extend Fiber Optic distance up to 120km / 75 miles (Single mode)
- Performs optical repeater function (Re-shape and re-amplify)

Specifications

Data Rates	Transparent mode up to 1.25Gbps FDDI, 100Mbit Ethernet STM-1, STM-4 OC1, OC3, OC12, OC24 ESCON Fiber Channel Gigabit Ethernet	
LEDs	PWR, MM Link, SM Link	
Power	External AC adapter; 12VDC@ 1A	
Environment	Temperature	0 — 50°C (Operating); 0 — 70°C (Storage)
	Humidity	20 — 80% non condensing (Operating); 10 — 90% (Storage)
Power Consumption	< 4W	
Dimensions(WxDxH)	85.6mm x 122.6mm x 20mm	
Weight	340g	
Compliance	FCC part 15 class A, CE	
MTFB	257063 Hours	

Ordering Info

FIB1-1000MG	Fiber Media Converter, Multi-mode 850nm, 550m to GBIC, SC With AC power Adapter, 12VDC@1A
GBIC Module Options	
GBM-7000-S85	GBIC, MM, 850nm, 550m, SC
GBM-7000-L31	GBIC, MM, 1310nm, 2km, SC
GBS-7010-L31	GBIC, SM, 1310nm, 10km, SC
GBS-7040-H31	GBIC, SM, 1310nm, 40km DFB, SC
GBS-7050-X55	GBIC, SM, 1550nm, 50km, DFB, SC
GBS-7080-Z55	GBIC, SM, 1550nm, 80km, DFB, SC
GBS-7120-E55	GBIC, SM, 1550nm, 120km, DFB, SC
GBS-7010-WA	GBIC, BiDi, T1310/R1550nm, 10km, SC
GBS-7010-WB	GBIC, BiDi, T1550/R1310nm, 10km, SC
GBS-7020-WA	GBIC, BiDi, T1310/R1550nm, 20km, SC
GBS-7020-WB	GBIC, BiDi, T1550/R1310nm, 20km, SC
GBS-7040-WA	GBIC, BiDi, T1310/R1550nm, 40km, SC
GBS-7040-WB	GBIC, BiDi, T1550/R1310nm, 40km, SC
GBS-7060-WA	GBIC, BiDi, T1310/R1550nm, 60km, SC
GBS-7060-WB	GBIC, BiDi, T1550/R1310nm, 60km, SC

Application

