

# FIBER

# CONVERTER

## *Rack-Mount Type*

3U Series

4U Series

5U Series

## *Standalone Type*

FIB Series

FIB1 Series

# FRM301 Series

## 3U Series

INTERFACE CONVERTER  
Fiber Converter

The **FRM301 Series** is a standard 3U Media Converter rack that features 16 cards capability with options for redundant power and SNMP management. Ethernet to fiber converters are available for 10Base-T, 100Base-TX, and 10/100 Base (auto) over multi-mode fibers (up to 2KM), single-mode fibers (up to 120KM) or utilizing WDM (up to 20KM). WDM (Wave Division Multiplexing) converts each input data stream into separate wavelengths (colors) and simultaneously transmits these channels through the same optical fiber. Using WDM technology, the RX and TX pair is transmitted with just a single fiber cable instead of the normal fiber pair. Another unique feature of the FRM-301 is the use of a common PCB card which may either be placed in the rack or used as a standalone converter. Manufacturing costs are thereby reduced as well as the inventory of spares required by installers and end-users. Visit our website to see our complete fiber series.



### FRM301 Series - Line Card Type

- Complies with IEEE 802.3u 100Base-FX and 100Base-TX standards.
- Utilizes coupler WDM technology to provide TX and RX on a single fiber cable.
- Fiber connectivity up to 120Km for single-mode.
- ST or SC connectors accommodate single mode fiber optic cable size 9/125µm.
- One RJ-45 for straight or cross-over connection.
- Full-Duplex, Half-Duplex, or Auto selectable.
- 6 diagnostic LEDs display
  - PWR : Power on (light) or SNMP active (flash)
  - U/100. : 100M active (light) or 10M active (off)
  - F/Full : Fx port with Full Duplex (light) or Half Duplex (off)
  - U/Full : UTP port with Full Duplex (light) or Half Duplex (off)
  - F/Link : Fx port link success (light) or fail (off)
  - U/Link : UTP port link success (light) or fail (off)
- 2 DIP Switch Setting
  - SW1 : Fx port Duplex setting
  - SW2 : Loop-Back test function setting
  - \*When SW2 is on, the front panel LED will display (flashing) the Remote CPE unit status.
- Optional function : 1) Supports Link-Loss-Forwarding function, provides an internal jumper to enable or disable LLF function.  
2) Supports with the Loop-Back test via front panel DIP switch.  
3) Supports remote monitor status via front panel DIP switch.  
4) Supports two Frame length,  
.....1518/1522 bytes for Normal  
.....1536/1536 bytes for Special.



## FRM301 Series - Rack Mount Type

### Special Features for Rack Mount Type

- 3U high RACK with convertible standalone units. RACK accommodates up to 16 units.
- RACK with Dual power modules designed for redundant application, cooling FANs included..
- Power modules option support AC110~240V, DC24V, or DC48V.
- Alarm display function includes:
  - . Power Fail Alarm
  - . Cooling FAN Fail Alarm
- SNMP Window(R) based GUI management supported, can Monitor all Line
- Card unit status, and configuration setting functions.
- 10/100Base auto negotiation capability.
- **Line Card Interface:**
  - 10/100BaseTx : STP RJ-45, Full/Half/Auto duplex selectable.
  - 100BaseFx : Optional with ST, SC, or WDM for single fiber application.
- Full/Half Duplex selectable

INTERFACE CONVERTER  
Fiber Converter

# Ordering Information

**FRM301-Chassis** Rack-Mount Chassis for both AC & DC type

#### Power Cards

**FRM301-AC** AC power plug-in module  
**FRM301-DC** DC-48V power plug-in module

#### Optional SNMP Card

**FRM301-SNMP** SNMP plug-in card & MIB file and manual

### FRM301-10/100 X / XX XXX X

Fiber Type		Connector Type		Distance	Connectivity	Optional function
S	Single Mode	ST	ST/PC	002	2Km [multi-mode only]	F with 1)Link-Loss-Forwarding
M	Multi-Mode	SC	SC/PC	015	15Km [single mode only]	2)Loop-Back test
W	WDM			030	30Km [single mode only]	3)Remote monitor status
				050	50Km [single mode only]	4)Two Frame lengths
				120	120Km [single mode only]	
				20A	20Km [WDM only]*	
				20B	20Km [WDM only]*	

\*020A must use couple with 020B

#### Example:

**FRM301-10/100S/ST030F**  
**FRM301-10/100M/SC002**  
**FRM301-10/100W/ST20A**

**Single Mode, ST Type Connector, 30 Km with Optional Features**  
**Multi-mode, SC Type Connector, 2 Km without Optional Features**  
**WDM, ST Type Connector, 20 Km without Optional Features and must use couple with FRM301-10/100W/ST20B**

# FRM401 Series

## 4U Series

INTERFACE CONVERTER  
Fiber Converter

The **FRM401 Series** is a media converter rack that can host 12 cards with four 10Base-FL, 100Base-FX, 10/100Base-FX or 10/100Base-FX WDM media converters on each card. Many converter card configurations are available covering connector types ST, SC, or MT-RJ, cable types for single or multi-mode and distances up to 120KM. All fiber connections are located on the converter card front panel. All Ethernet connections utilize shielded RJ-45 connectors and are located on the chassis back.

The **FRM401 Series** chassis also features optional redundant power supply modules in configurations for AC 110V or 220V, for DC-48V or DC+24V. The power supplies and all cards are hot-swappable. One card slot is reserved for an optional SNMP card. All link connections may be monitored via any SNMP management software that supports MIB-II file or via our optional Windows(r) based GUI software.



Front View

### FRM401 Series

- 4U high, 19" rackmountable.
- 12-Slots for converter cards.
- Each converter card provides four (4) complete fiber converters.
- Maximum 48 loops (12 cards times 4 converters per card).
- 10Mbps cards comply with IEEE 802.3, 10Base-T and 10Base-FL.
- 100Mbps cards comply with 802.3u, 100Base-TX and 100Base-FX.
- 10/100Mbps cards comply with 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX.
- 10/100 WDM (Wavelength Division Multiplexer) cards support both TX and RX on a single fiber.
- 1-Slot reserved for optional SNMP card.
- Supports redundant power supplies for high availability.
- Supports the Power and Fan detect and failing alarm.
- Cooling Fan can be switched independently.
- Supports Half Duplex, Full Duplex or auto-negotiation.
- Universal AC & DC models for either +24 or -48VDC.
- Optional function : 1) Supports Link-Loss-Forwarding function, provides an internal jumper to enable or disable.  
2) Supports Loop-Back test via front panel DIP switch.  
3) Supports remote monitor status via front panel DIP switch.  
4) Supports two Frame length, 1518/1522 bytes for Normal 1536/1536 bytes for Special.

## Card Types

### 10/100Base Media Converter Card Specifications

Card Types	FXT(C)-2	FCT-3	FXT(C)-3	FXT(C)-5	FXT(C)-12	TP Ports	Shielded RJ-45jacks
Fiber Mode	Multi	Multi	Single	Single	Single	Cable	(10BASE-T)Cat. 3,4,5 (100BASE-TX) Cat. 5 up to 100M
Wave Length	1310nm	1300nm	1310nm	1310nm	1550nm	LEDs	Power, UTP port speed, duplex status and Link/Rx, FX port Link/Rx, duplex status
Connector	ST or (SC)	MT-RJ	ST or (SC)	ST or (SC)	ST or (SC)	Environment	Temperature: 0 ~ 70°C Relative Humidity: 10% to 90% non-condensing
Fiber Cable *1	62.5/125µm	62.5/125µm	9/125µm	9/125µm	9/125µm	Dimensions	17.7cm x 25.5cm x 2.4cm
Max.Length *2	2km	2km	30km	50km	120km		
MDI	fixed	fixed	fixed	fixed	fixed		

### 10/100Base Coupler WDM Media Converter Card Specifications

Card Types	FXT(C)-5	FXT(C)-10	TP Ports	Shielded RJ-45jacks
Fiber Mode	Single	Single	Cable	(10BASE-T)Cat. 3,4,5 (100BASE-TX) Cat. 5 up to 100M
Wave Length	1310nm	1300nm	LEDs	Power, UTP port speed, duplex status and Link/Rx, FX port Link/Rx, duplex status
Connector	ST or (SC)	ST or (SC)	Environment	Temperature: 0 ~ 70°C Relative Humidity: 10% to 90% non-condensing
Fiber Cable*1	9/125µm	9/125µm	Dimensions	17.7cm x 25.5cm x 2.4cm
Max.Length *2	5km	10km		
MDI	fixed	fixed		

\*1 Recommended fiber cable

\*2 Maximum length for full duplex connection

# Ordering Information

**FRM401-AC-Chassis**

Ethernet Fiber Optical Converter Rack, Standard 4U, 19"rack with AC mainboard, including the fan

**FRM401-DC-Chassis**

Ethernet Fiber Optical Converter Rack, Standard 4U, 19"rack with DC mainboard, including the fan

#### Power Cards

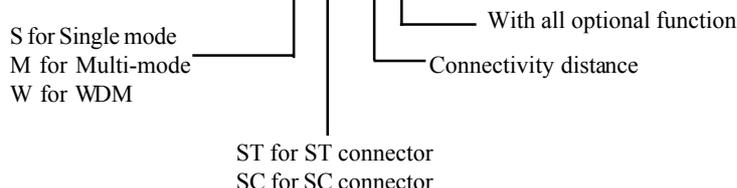
**FRM4-AC** Fiber Converter Rack, AC Universal Power Board

**FRM4-48** Fiber Converter Rack, DC/-24~-48V power board

#### Optional SNMP Card

**FRM401-SNMP** SNMP plug-in card, MIB file and manual

#### FRM401-10/100X/XX XX F



#### 10/100M Interface Cards with Optional Feature

**FRM401-10/100M/ST2F**  
**FRM401-10/100M/SC2F**  
**FRM401-10/100S/ST30F**  
**FRM401-10/100S/SC30F**  
**FRM401-10/100S/ST50F**  
**FRM401-10/100S/SC50F**  
**FRM401-10/100S/ST120F**  
**FRM401-10/100S/SC120F**

#### 10/100M WDM Interface Cards with Optional Features

**FRM401-10/100W/ST20AF**  
**FRM401-10/100W/ST20BF**  
**FRM401-10/100W/SC20AF**  
**FRM401-10/100W/SC20BF**  
\*20A must use couple with 20B

#### 10/100M Interface Cards without Optional Features

**FRM401-10/100M/ST2**  
**FRM401-10/100M/SC2**  
**FRM401-10/100S/ST30**  
**FRM401-10/100S/SC30**  
**FRM401-10/100S/ST50**  
**FRM401-10/100S/SC50**  
**FRM401-10/100S/ST120**  
**FRM401-10/100S/SC120**

#### 10/100M WDM Interface Cards without Optional Features

**FRM401-10/100W/ST20A**  
**FRM401-10/100W/ST20B**  
**FRM401-10/100W/SC20A**  
**FRM401-10/100W/SC20B**  
\*20A must use couple with 20B

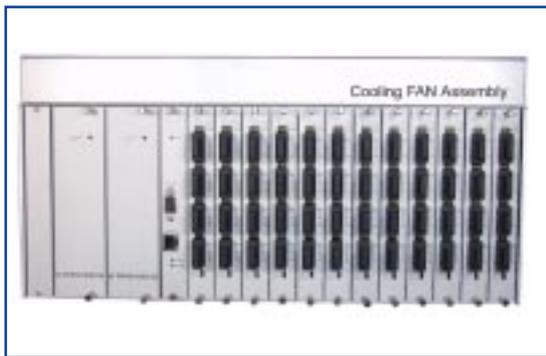
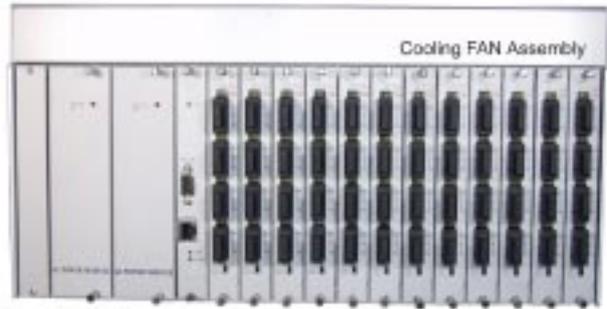
# FRM501 Series

## 5U Series

The **FRM501 Series** is a media converter rack that can host 12 cards with four 10Base-FL or 100Base-FX media converters on each card. Fourteen converter card configurations are available covering connector types ST, SC, or MT-RJ, cable types for single or multi-mode and distances up to 120KM. All fiber connections are located on the converter card front panel.

All Ethernet connections utilize shielded RJ-45 connectors, located on the chassis back.

The **FRM501 Series** chassis also features optional redundant power supply modules in configurations for AC (90~240), for DC-48V or DC+24V. The power supplies and all cards are hot-swappable. One card slot is reserved for an optional SNMP card. All link connections may be monitored via any SNMP management software that supports MIB-II file or via our optional Windows(r) based GUI software.



Front View



Rear View

### FRM501 Series

- 4U high, 19" rackmountable.
- 12-Slots for converter cards.
- Each converter card provides four (4) complete fiber converters.
- Maximum 48 loops (12 cards times 4 converters per card).
- 10Mbps cards comply with IEEE 802.3, 10Base-T and 10Base-FL.
- 100Mbps cards comply with 802.3u, 100Base-TX and 100Base-FX.
- 10/100Mbps cards comply with 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX.
- 10/100 WDM (Wavelength Division Multiplexer) cards support both TX and RX on a single fiber.
- 1-Slot reserved for optional SNMP card.
- Supports redundant power supplies for high availability.
- Supports the Power and Fan detect and failing alarm.
- Cooling Fan could be switched independently.
- Supports HalfDuplex, Full Duplex or auto-negotiation.
- Universal AC & DC models for either +24 or -48VDC.
- Optional function : 1) Supports Link-Loss-Forwarding function, provide an internal jumper to enable or disable.
- 2) Supports Loop-Back test via front panel DIP switch.
- 3) Supports remote monitor status via front panel DIP switch.
- 4) Supports two Frame length, 1518/1522 bytes for Normal 1536/1536 bytes for Special.

## Card Types

### 10Base Media Converter Card Specifications

Card Types	FT-2	FC-2	FT-14	TP Ports	Shielded RJ-45jacks
Fiber Mode	Multi	Multi	Single	Cable	Cat. 3,4,5, UTP Cable (100m max.)
Wave Length	820nm	820nm	1310nm	LEDs	UTP Link/Act., Fiber Link/Act.
Connector	ST	SC	ST	Environment	Temperature: 0 to 70°C
Fiber Cable x1	62.5/125µm	62.5/125µm	9/125µm		Relative Humidity: 10% to 90% non-condensing
Max.Length x2	2km	2km	14km	Dimensions	17.7cm x 25.5cm x 2.4cm
MDI	fixed	fixed	fixed		

### 100Base Media Converter Card Specifications

Card Types	FXT(C)-2	FCT-3	FXT(C)-3	FXT(C)-5	FXT(C)-12	TP Ports	Shielded RJ-45jacks
Fiber Mode	Multi	Multi	Single	Single	Single	Cable	(10BASE-T)Cat. 3,4,5 (100BASE-TX) Cat. 5 up to 100M
Wave Length	1310nm	1300nm	1310nm	1310nm	1550nm	LEDs	Power status of converter, RJ-45 port and FX port activity, and Full or Half Duplex status
Connector	ST or (SC)	MT-RJ	ST or (SC)	ST or (SC)	ST or (SC)	Environment	Temperature: 0 to 70°C
Fiber Cable x1	62.5/125µm	62.5/125µm	9/125µm	9/125µm	9/125µm		Relative Humidity: 10% to 90% non-condensing
Max.Length x2	2km	2km	30km	50km	120km	Dimensions	17.7cm x 25.5cm x 2.4cm
MDI	fixed	fixed	fixed	fixed	fixed		

# Ordering Information

#### FRM501-AC-Chassis FRM501-DC-Chassis

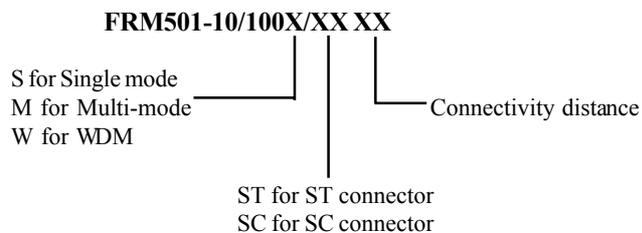
Ethernet Fiber Optical Converter Rack, 5U, 19" rack with AC mainboard, including the fan  
Ethernet Fiber Optical Converter Rack, 5U, 19" rack with DC mainboard, including the fan

#### Power Cards

**FRM5-AC** Fiber Converter Rack, AC Universal Power Board  
**FRM5-48** Fiber Converter Rack, DC/-24~- -48V power board

#### Optional SNMP Card

**FRM501-SNMP** SNMP plug-in card &MIB file and manual



#### 10M Interface Cards

FRM501-10M/ST2 10Base-T to 10Base-FL Converter Card, Multi-mode, ST, 2Km, 4 Loop  
FRM501-10M/SC2 10Base-T to 10Base-FL Converter Card, Multi-mode, SC, 2Km, 4 Loop  
FRM501-10S/ST14 10Base-T to 10Base-FL Converter Card, Single-mode, ST, 14Km, 4 Loop

#### 100M Interface Cards

FRM501-100M/ST2 100Base-TX to 100Base-FX Converter Card, Multi-mode, ST, 2Km, 4 Loop  
FRM501-100M/SC2 100Base-TX to 100Base-FX Converter Card, Multi-mode, SC, 2Km, 4 Loop  
FRM501-100S/ST30 100Base-TX to 100Base-FX Converter Card, Single-mode, ST, 30Km, 4 Loop  
FRM501-100S/SC30 100Base-TX to 100Base-FX Converter Card, Single-mode, SC, 30Km, 4 Loop  
FRM501-100S/ST50 100Base-TX to 100Base-FX Converter Card, Single-mode, ST, 50Km, 4 Loop  
FRM501-100S/SC50 100Base-TX to 100Base-FX Converter Card, Single-mode, SC, 50Km, 4 Loop  
FRM501-100S/ST120 100Base-TX to 100Base-FX Converter Card, Single-mode, ST, 120Km, 4 Loop  
FRM501-100S/SC120 100Base-TX to 100Base-FX Converter Card, Single-mode, SC, 120Km, 4 Loop

# FIB Series

## Standalone Type

The FIB-XX Series are standalone fiber media converters available in models for 10Base-T, 100Base-TX, 10/100 Ethernet, RS-232 data port or RS-422 data port. The FIB-10, FIB-100, and FIB10/100 of Ethernet Fiber Converters give you the options to choose from the two most popular fiber cabling connectors, ST or SC. Both multi-mode and single mode converter models are available and well as WDM (wave division multiplexing) which allows TX and RX to use a single fiber cable. The Ethernet connections are all provided by shielded RJ-45 jacks and incorporate either a connector pair or a selector switch to allow connection to either HUB or PC equipment. 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, duplex status and Link/RX and FX port Link/RX and duplex status. The data port models FIB-232 and FIB-422 provide transparent connection of their respective interface type over multi-mode cable up to 2KM without the need for any software drivers.




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*RS-232*

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*RS-422*

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*FIB-10*

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*FIB-100*

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*FIB-10/100*

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*FIB-10/100W*

### **FIB-232**

**10Base-T to 10Base-FL Fiber SC Converter (multi-mode)**

**FEATURES**

- Compact, requires no external power.
- RS-232 at rates up to 115.2Kbps.
- Extends RS-232 up to 2Km.
- (14Km single mode available upon request)
- No external power required.
- Secure data transmissions.
- Full Duplex bi-directional transmissions.
- Transparent operation, no drivers required.

### **FIB-422**

**10Base-T to 10Base-FL Fiber SC Converter (multi-mode)**

**FEATURES**

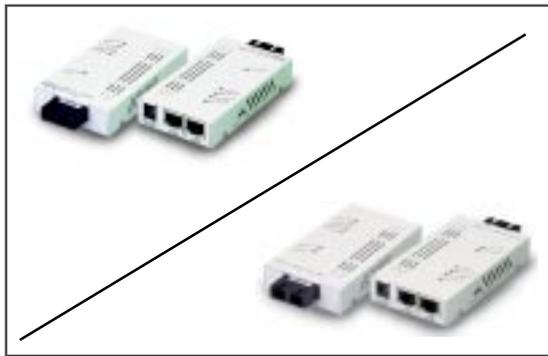
- Compact design
- Extends RS-422 up to 2Km.
- RS-422 at rates up to 115,200 baud.
- ST connector accommodates multi-mode fiber optic cable size 62.5/125µm.
- Secure data transmissions.
- Provides electromagnetic immunity.
- Full Duplex, bi-directional operation.
- Transparent operation.
- DC powered from AC adapter.

### **FIB-10**

**10Base-T to 10Base-FL Fiber SC Converter**

**FEATURES**

- Complies with IEEE 802.3 10Base-FL standards.
- Fiber connectivity up to 14Km.
- SC connector can accommodate multi-mode size of 62.5/125µm
- RJ-45 straight/ crossed selector switch
- 5 diagnostic LEDs



### FIB-100 ; FIB10/100

#### Fiber 10/100 Mbps/ST and SC Converter

##### FEATURES

- Complies with IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX standards.
- Fiber connectivity up to 120Km for single-mode.
- ST or SC connector can accommodate single-mode size of 9/125µm.
- Two RJ-45 for straight or cross-over connection.
- Full-Duplex, Half-Duplex or Auto selectable
- 5 duagbistuc LEDs for FIB-100; 6 diagnostic LEDs for FIB10/100

### FIB-10/100W

#### Fiber 10/100 Mbps WDM /ST and SC Converter (single-mode)

##### FEATURES

- Complies with IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX standards.
- Utilizes WDM technology to provide TX and RX on a single fiber cable.
- Fiber connectivity up to 20Km for single-mode.
- ST or SC connector can accommodate single-mode size of 9/125µm.
- Two RJ-45 for straight or cross-over connection.
- Full-Duplex, Half-Duplex or Auto selectable
- 6 diagnostic LEDs

## Ordering Information

- |                            |   |
|----------------------------|---|
| ● <b>FIB-232/ST</b>        | RS-232 to Fiber Converter, ST, Multi-mode, 2Km  |
| ● <b>FIB-422/ST</b>        | RS-422 to Fiber Converter, ST, Multi-mode, 2Km  |
| ● <b>FIB-10M/ST2</b>       | 10 Base-T to fiber converter, multi mode, ST, 2Km   |
| ● <b>FIB-10M/SC2</b>       | 10 Base-T to fiber converter, multi mode, SC, 2Km   |
| ● <b>FIB-10S/ST14</b>      | 10 Base-T to fiber converter, single mode, ST, 14Km                                       |
| ● <b>FIB-100S/ST15</b>     | 100 Base-TX to fiber converter, single mode, ST, 15Km                                     |
| ● <b>FIB-100S/SC15</b>     | 100 Base-TX to fiber converter, single mode, SC, 15Km                                     |
| ● <b>FIB-100S/ST30</b>     | 100 Base-TX to fiber converter, single mode, ST, 30Km                                     |
| ● <b>FIB-100S/SC30</b>     | 100 Base-TX to fiber converter, single mode, SC, 30Km                                     |
| ● <b>FIB-100S/ST50</b>     | 100 Base-TX to fiber converter, single mode, ST, 50Km                                     |
| ● <b>FIB-100S/SC50</b>     | 100 Base-TX to fiber converter, single mode, SC, 50Km                                     |
| ● <b>FIB-100S/ST120</b>    | 100 Base-TX to fiber converter, single mode, ST, 120Km                                    |
| ● <b>FIB-100S/SC120</b>    | 100 Base-TX to fiber converter, single mode, SC, 120Km                                    |
| ● <b>FIB-100M/ST2</b>      | 100 Base-TX to fiber converter, multi mode, ST, 2Km                                       |
| ● <b>FIB-100M/SC2</b>      | 100 Base-TX to fiber converter, multi mode, SC, 2Km                                       |
| ● <b>FIB-10/100S/ST15</b>  | 10/100 Base-T to fiber converter, single mode, ST, 15Km                                   |
| ● <b>FIB-10/100S/SC15</b>  | 10/100 Base-T to fiber converter, single mode, SC, 15Km                                   |
| ● <b>FIB-10/100S/ST30</b>  | 10/100 Base-T to fiber converter, single mode, ST, 30Km                                   |
| ● <b>FIB-10/100S/SC30</b>  | 10/100 Base-T to fiber converter, single mode, SC, 30Km                                   |
| ● <b>FIB-10/100S/ST50</b>  | 10/100 Base-T to fiber converter, single mode, ST, 50Km                                   |
| ● <b>FIB-10/100S/SC50</b>  | 10/100 Base-T to fiber converter, single mode, SC, 50Km                                   |
| ● <b>FIB-10/100S/ST120</b> | 10/100 Base-T to fiber converter, single mode, ST, 120Km                                  |
| ● <b>FIB-10/100S/SC120</b> | 10/100 Base-T to fiber converter, single mode, SC, 120Km                                  |
| ● <b>FIB-10/100M/ST2</b>   | 10/100 Base-T to fiber converter, multi mode, ST, 2Km                                     |
| ● <b>FIB-10/100M/SC2</b>   | 10/100 Base-T to fiber converter, multi mode, SC, 2Km                                     |
| ● <b>FIB-10/100W/ST20A</b> | 10/100 Base-T to WDM fiber converter, ST connector, 20Km (Matches with FIB-10/100W/ST20B) |
| ● <b>FIB-10/100W/ST20B</b> | 10/100 Base-T to WDM fiber converter, ST connector, 20Km (Matches with FIB-10/100W/ST20A) |
| ● <b>FIB-10/100W/SC20A</b> | 10/100 Base-T to WDM fiber converter, SC connector, 20Km (Matches with FIB-10/100W/SC20B) |
| ● <b>FIB-10/100W/SC20B</b> | 10/100 Base-T to WDM fiber converter, SC connector, 20Km (Matches with FIB-10/100W/SC20A) |

# FIB1 Series

## Standalone Type

INTERFACE CONVERTER  
Fiber Converter

The FIB1-XX Series are standalone fiber media converters available in models for 10/100 Ethernet, and provide optional functions for LLF (link loss forwarding), loop-back test, and remote get CPE status. These optional features are especially useful when the standalone units are linked to one of our Rack type units with optional SNMP management. The FIB1-10/100 Ethernet Fiber Converters give you the options to choose from the two most popular fiber cabling connectors, ST or SC. Both multimode and single mode converter models are available and well as WDM (wave division multiplexing) which allows TX and RX to use a single fiber cable. The Ethernet connections are all provided by shielded RJ-45 jacks and incorporate either a connector pair or a selector switch to allow connection to either HUB or PC equipment. 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, duplex status and Link/RX and FX port Link/RX and duplex status.



### *FIB1-10/100*

### *FIB1-10/100W*

#### **FIB1-10/100**

##### **Fiber 10/100 Mbps ST and SC Converter (single-mode)**

###### **FEATURES**

- Complies with IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX standards.
- Utilizes WDM technology to provide TX and RX on a single fiber cable.
- Fiber connectivity up to 20Km for single-mode.
- ST or SC connector can accommodate single-mode size of 9/125 $\mu$ m.
- Two RJ-45 for straight or cross-over connection.
- Full-Duplex, Half-Duplex or Auto selectable
- 6 diagnostic LEDs

#### **FIB1-10/100W**

##### **Fiber 10/100 Mbps WDM ST and SC Converter (single-mode)**

###### **FEATURES**

- Complies with IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX standards.
- Utilizes WDM technology to provide TX and RX on a single fiber cable.
- Fiber connectivity up to 20Km for single-mode.
- ST or SC connector can accommodate single-mode size of 9/125 $\mu$ m.
- Two RJ-45 for straight or cross-over connection.
- Full-Duplex, Half-Duplex or Auto selectable
- 6 diagnostic LEDs

# Ordering Information

## **\*10/100M Type - Full Function (Supports Optional Functions)**

FIB1-10/100M/ST2F	10/100Base-TX to 100Base-FX Line Card, Multi-Mode, ST, 2Km
FIB1-10/100M/SC2F	10/100Base-TX to 100Base-FX Line Card, Multi-Mode, SC, 2Km
FIB1-10/100S/ST15F	10/100Base-TX to 100Base-FX Line Card, Single Mode, ST, 15Km
FIB1-10/100S/SC15F	10/100Base-TX to 100Base-FX Line Card, Single Mode, SC, 15Km
FIB1-10/100S/ST30F	10/100Base-TX to 100Base-FX Line Card, Single Mode, ST, 30Km
FIB1-10/100S/SC30F	10/100Base-TX to 100Base-FX Line Card, Single Mode, SC, 30Km
FIB1-10/100S/ST50F	10/100Base-TX to 100Base-FX Line Card, Single Mode, ST, 50Km
FIB1-10/100S/SC50F	10/100Base-TX to 100Base-FX Line Card, Single Mode, SC, 50Km
FIB1-10/100S/ST120F	10/100Base-TX to 100Base-FX Line Card, Single Mode, ST, 120Km
FIB1-10/100S/SC120F	10/100Base-TX to 100Base-FX Line Card, Single Mode, SC, 120Km

## **\*10/100M WDM Type - Full Function (Supports Optional Functions)**

FIB1-10/100W/ST20AF	10/100Base-TX to 100Base-FX WDM Line Card, ST, 20Km
FIB1-10/100W/ST20BF	10/100Base-TX to 100Base-FX WDM Line Card, ST, 20Km
FIB1-10/100W/SC20AF	10/100Base-TX to 100Base-FX WDM Line Card, SC, 20Km
FIB1-10/100W/SC20BF	10/100Base-TX to 100Base-FX WDM Line Card, SC, 20Km