

Fiber Optic Network Solution Specialized Company

Founded in 1996, SOLTECH Group is a Fiber optic company specializing in research and development, production and distribution of Fiber optic products, offering a variety of solutions.



As an innovative manufacturer based in South Korea, we design and produce advanced technological product that are ruggedized and following strict quality control policy based on ISO9001. Based on our solid engineering experience and technological skill, SOLTECH utilizes progressive research and development to provide the best solutions such as industrial Fiber Optic converters, industrial ethernet Switches and Fiber Optic Links with high quality.

In spite of rapidly changing business environments, we stand out as a leader in the implementation of advanced solutions with fiber optic data communication.

Ethernet Converters



SFC200-SCM



SFC200-SCS



SFC200-SCSW



SFC2000-SFP



SFC2000-SL/SFP



SFC2000-TL



SFC2000-TS



SFC2000-TWL



SFC200MF



SFC2000MF



SFC100-SE

100Mbps Fiber-NMS Ethernet Converter

10/100Mbps TP to 100Mbps SFP Management Fast Ethernet Converter



SFC200-SCM

- Reliable Optical Communication using Management Function
- Converts UTP to Fiber Optic for Long distance Transmission
- RJ-45 Port Auto MDI/MDI-X
- 10/100Mbps Throughput, Auto Negotiation
- 10/100Mbps, Full/Half-duplex Manual mode
- Supports Built-in Power Type
- LED Indication for Network Connection Status
- IP based Management Function
- Auto Scan Management Program
- Alarm Function during Equipment Malfunction or Cable Disconnection
- Optical Port Monitoring: Temperature, Voltage, Current, Optical Tx/Rx values

Specifications

Technology	- Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100Base-FX
Interface	- RJ45 Ports	1-Port 10/100Mbps TP, Auto-Negotiation, Auto MDI/MDI-X TP/STP Cat. 3, 4, 5, 6 Cable EIA/TIA-568 100-ohm(100m)
	- Fiber Ports	1-Port 100Mbps SC connector Multi-mode : 62.5/125 μ m (2km)
	- LED Indicators	Per unit : Power Per port(TX) : Link, Activity, FDX/HDX, speed Per port(FX) : Link, Activity
Performance	- Data transfer	100Mbps
Environmental	- Temperature	Operation: 0°C ~ 60°C, Store: -20°C ~80°C
	- Humidity	5 ~ 95% (Non-condensing)
	- Installation	Stand alone, Center Mount Module Type
Input Voltage		DC 5V 2A SMPS Adapter
Dimensions		71mm(W) x 94mm(D) x 26mm(H)

Ordering Information

Model Name	Description
SFC200-SCM	10/100Mbps-TX to 100Mbps-FX Fast Ethernet Converter, Multi-mode 2km, 1310nm, SC Type

100Mbps Fiber Optic Ethernet Converter

10/100Mbps-TX to 100Mbps-FX Fast Ethernet Converter, Single-mode 20km



SFC200-SCS

- Converts TP (10/100Mbps) to Fiber Optic (100Mbps-FX) for Long distance Transmission
- Network Component for Long distance & Noise Solution, Optical LAN, FA, Internet Network, FTTH etc.
- 10/100Mbps Throughput, Auto Negotiation
- TP Cable Auto MDI-X
- LLCF(Link Loss Carry Forward)
- LED Indication for Auto Negotiation and Connection Status
- 10/100Mbps, Full/Half-duplex Manual Operation (DIP Switch)

Specifications

Technology	- Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100Base-FX
Interface	- RJ45 Ports	1-Port 10/100Mbps TP, Auto-Negotiation, Auto MDI/MDI-X TP/STP Cat. 3, 4, 5, 6 Cable EIA/TIA-568 100-ohm(100m)
	- Fiber Ports	1-Port 100Mbps (ST/SC connector) Multi-mode : 62.5/125 μ m (2km), Single-mode : 9/125 μ m(~120km)
	- LED Indicators	Per unit : Power Per port(TX) : Link, Activity, FDX/HDX, speed Per port(FX) : Link, Activity
	- Dip Switch	Internal, Auto-Negotiation, 10/100Mbps, Full/Half Duplex, LLCF on/off
Performance	- Data transfer	100Mbps
Environmental	- Temperature	Operation: 0°C ~ 60°C, Store: -20°C ~80°C
	- Humidity	5 ~ 95% (Non-condensing)
	- Power consumption	SFC200-SCS/SCSWA/SCSWB : 2.7W, SFC200-SCM : 2.5W, SFC200-STM : 3.3W SFC200-SCSWA-I/SCSWB-I/SCS-I : 3.1W, SFC200-SCM-I : 3.0W SFC200-STM-I : 3.7W
	- Installation	Stand alone, Center Mount Module Type
Input Voltage		DC 5V 2A SMPS Adapter
Dimensions		Stand alone : 71mm(W) x 94mm(D) x 26mm(H) Built-in Power Type : 118mm(W) x 184mm(D) x 34mm(H)

Ordering Information

Model Name	Description
SFC200-SCS	10/100Mbps-TX to 100Mbps-FX Fast Ethernet Converter, Single-mode 20km, 1310nm

100Mbps Fiber Optic Ethernet Converter

10/100Mbps-TX to 100Mbps-FX Fast Ethernet Converter, Single-mode(WDM) 20km



SFC200-SCSW

- Converts UTP (10/100Mbps) to Fiber Optic (100Mbps-FX) for Long distance Transmission
- Network Component for Long distance & Noise Solution, Optical LAN, FA, Internet Network, FTTH etc
- 10/100Mbps Throughput, Auto Negotiation
- TP Cable Auto MDI-X
- LED Indication for Auto Negotiation and Connection Status

Specifications

Technology	- Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100Base-FX
Interface	- RJ45 Ports	1-Port 10/100Mbps TP, Auto-Negotiation, Auto MDI/MDI-X TP/STP Cat. 3, 4, 5, 6 Cable EIA/TIA-568 100-ohm(100m)
	- Fiber Ports	1-Port 100Mbps(SC connector) Single-mode : 9/125 μ m(20km)
	- LED Indicators	Per unit : Power Per port(TX) : Link, Activity, FDX/HDX, speed Per port(FX) : Link, Activity
	- Dip Switch	Internal, Auto-Negotiation, 10/100Mbps, Full/Half Duplex
Performance	- Data transfer	100Mbps
Environmental	- Temperature	Operation: 0°C ~ 60°C, Store: -20°C ~80°C
	- Humidity	5 ~ 95% (Non-condensing)
	- Power consumption	3.3W
	- Installation	Stand alone
Input Voltage		DC 5V 2A SMPS Adapter
Dimensions		Stand alone : 71mm(W) x 94mm(D) x 26mm(H)

Ordering Information

Model Name	Description
SFC200-SCSWA	10/100Mbps-TX to 100Mbps-FX Fast Ethernet Converter, Single-mode(WDM) 20km, 1550/1310nm
SFC200-SCSWB	10/100Mbps-TX to 100Mbps-FX Fast Ethernet Converter, Single-mode(WDM) 20km, 1310/1550nm

Gigabit Ethernet Converter (SFP Slot Type)

10/100/1000Mbps TP to 1000Mbps-SX/LX SFP Fiber Optic Converter



SFC2000-SFP

- Converts UTP (100/1000Mbps) to Fiber Optic (1000Mbps-SX/LX) for Long distance Transmission
- Network Component for Optical LAN, FA, Internet Network, FTTH etc.
- Auto MDI/MDI-X
- SFP Optical Module Mounted (1.25Gbps Exclusive)

Specifications

Technology	- Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100Base-FX IEEE 802.3ab 1000Base-T IEEE 802.3z Gigabit fiber
	- RJ45 Ports	1-Port 10/100/1000Mbps TP, Auto Negotiation, Auto MDI/MDI-X, TP/STP Cat. 3, 4, 5 Cable EIA/TIA-568 100-ohm(100m)
Interface	- Fiber Ports	1×1000Mbps- SX/LX/ZX (LC connector) SFP Slot Multi-mode : 62.5/125 μ m(220m) Single-mode : 9/125 μ m(~80km)
	- LED Indicators	Per unit: Power TX Port(Link/Act, FDX/HDX,1000Mbps,100Mbps) FX Port(Link/Act)
	- Dip Switch	Internal, Auto-Negotiation, 10/100/1000Mbps, Full/Half Duplex, FLCF on/off
Performance	- Data transfer	1000Mbps
Environmental	- Temperature	Operation: 0°C ~ 60°C, Store: -20°C ~ 80°C
	- Humidity	5 ~ 95% (Non-condensing)
	- Installation	Stand alone, Center Mount Module Type
Input Voltage		DC 12V 1.5A SMPS Adapter
Dimensions		71mm(W) x 94mm(D) x 26mm(H)

Ordering Information

Model Name	Description
SFC2000-SFP	10/100/1000Mbps TP to 1000Mbps-SX/LX Conversion
SFP-SX	SFP(1.25Gbps), Multi-mode, 220/550m, 850nm, LC Type
SFP-LX	SFP(1.25Gbps), Single-mode, 20Km, 1310nm, LC Type
SFP-SM	SFP(155Mbps), Single-mode, 20km, 1310nm, LC Type

Gigabit Ethernet Converter (SFP Slot Type)

100/1000Mbps LX/SX SFP to 100/1000Mbps-SX/LX SFP Fiber Optic Converter



SFC2000-SL/SFP

- Converts 1000Mbps-SX (Multi mode) to 1000Mbps-LX (Single mode)
- Converts 100Mbps-FX (Multi mode) to 100Mbps-FX (Single mode)
- Uses Multi-mode LC Connector, Single-mode LC Connector
- SFP Optical Module Mounted (1.25Gbps, 155Mbps)

Specifications

Technology	- Standard	IEEE 802.3u 100Base-FX IEEE 802.3z Gigabit fiber
Interface	- RJ45 Ports	N/A
	- Fiber Ports	2×100/1000Base- SX/LX/ZX (LC connector) SFP Slot Multi-mode : 62.5/125μm (220m) Single-mode : 9/125μm(~80km)
	- LED Indicators	Power, Link1, Link2
	- Dip Switch	N/A
Performance	- Data transfer	1000Mbps, 100Mbps
Environmental	- Temperature	Operation: 0°C ~ 60°C, Store: -20°C ~ 80°C
	- Humidity	5 ~ 95% (Non-condensing)
	- Installation	Stand alone, Center Mount Module Type
Input Voltage		DC 12V 1.5A SMPS Adapter
Dimensions		71mm(W) x 94mm(D) x 26mm(H)

Ordering Information

Model Name	Description
SFC2000-SL/SFP	1000Base-SX/LX to 1000Base-SX/LX Conversion / 100Base-FX to 100Base-FX Conversion
SFP-SX	SFP(1.25Gbps), Multi-mode, 220/550m, 850nm, LC Type
SFP-LX	SFP(1.25Gbps), Single-mode, 20Km, 1310nm, LC Type
SFP-SM	SFP(155Mbps), Single-mode, 20km, 1310nm, LC Type
SFP-MM	SFP(155Mbps), Multi-mode, 2km, 1310nm, LC Type

Single-Mode Gigabit Ethernet Converter

10/100/1000Mbps TP to 1000BASE-LX Gigabit Ethernet Converter



SFC2000-TL

- Converts TP (10/100/1000Mbps) to Fiber Optic (1000Mbps -LX) for Long distance Transmission
- Network Component for Long distance & Noise Solution, Optical LAN, FA, Internet Network, FTTH etc.
- LED Indication for Auto Negotiation and Connection Status
- 10/100/1000Mbps Throughput, Auto Negotiation
- TP Cable Auto MDI-X

Specifications

Technology	- Standard	IEEE 802.3 10Base-T IEEE 802.3U 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX
Interface	- RJ45 Ports	1-Port 10/100/1000Mbps, Auto MDI/MDI-X TP/STP Cat, 3, 4, 5, 6Cable ELA/TIA-568 100-ohm(100m)
	- Fiber Ports	1-Port 1000Mbps, 1000Base-LX, 1310nm, SC connector Single-mode : 9/125 μ m, 10km
	- LED Indicators	Per unit : Power TX Port (Link/Act, FDX/HDX, 1000, 100), FX Port (Link/Act)
Performance	- Data transfer	1000Mbps
Environmental	- Temperature	Operation: 0°C ~ 60°C, Store: - 20°C ~ 80°C
	- Humidity	5 ~ 95% (Non-condensing)
	- Power consumption	SFC2000-TL : 5.3W
	- Installation	Stand alone
Input Voltage		DC 12V 1.5A SMPS Adapter
Dimensions		71mm(W) x 94mm(D) x 26mm(H)

Ordering Information

Model-Name	Description
SFC2000-TL	Gigabit Fiber Optic Converter, Single-mode, 1310nm, 10km

Gigabit Ethernet Converter (Sc Fiber Optic Connector)

10/100/1000Mbps TP to 1000Mbps-SX/LX Gigabit Ethernet Converter



- Converts TP (10/100/1000Mbps) to Fiber Optic (1000Mbps -SX/LX) for Long distance Transmission
- Network Component for Long distance & Noise Solution, Optical LAN, FA, Internet Network, FTTH etc.
- LED Indication for Auto Negotiation and Connection Status
- 10/100/1000Mbps Throughput, Auto Negotiation
- TP Cable MDI-X

SFC2000-TS

Specifications

Technology	- Standard	IEEE 802.3 10Base-T IEEE 802.3U 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX
Interface	- RJ45 Ports	1-Port 10/100/1000Mbps, Auto MDI/MDI-X TP/STP Cat, 3, 4, 5, 6Cable ELA/TIA-568 100-ohm(100m)
	- Fiber Ports	1-Port 1000Mbps, 1000Base-SX/LX/ZX (SC connector) Multi-mode : 62.5/125 μ m (220m)
	- LED Indicators	Per unit : Power TX Port (Link/Act, FDX/HDX, 1000, 100), FX Port (Link/Act)
Performance	- Data transfer	1000Mbps
Environmental	- Temperature	Operation: 0°C ~ 60°C, Store: - 20°C ~ 80°C
	- Humidity	5 ~ 95% (Non-condensing)
	- Installation	Stand alone, Center Mount Module Type
Input Voltage		DC 12V 1,5A SMPS Adapter
Dimensions		Stand alone : 71mm(W) x 94mm(D) x 26mm(H), 125g(12V : 130g) Built-in Power Type : 118mm(W) x 184mm(D) x 34mm(H), 741g(12V : 130g)

Ordering Information

Model Name	Description
SFC2000-TS	10/100/1000Base-TP to 1000BaseSX/LX/ZX (220/550m)

WDM Gigabit Ethernet Converter

10/100/1000Mbps TP to 1000Mbps-SX/LX Gigabit Ethernet Converter (1550nm/1310nm)



SFC2000-TWL20A

- Converts UTP (10/100/1000Mbps) to Fiber Optic (1000Mbps-SX/LX) for Long distance Transmission
- Network Component for Long distance & Noise Solution, Optical LAN, FA, Internet Network, FTTH etc.
- LED Indication for Auto Negotiation and Connection Status
- 10/100/1000Mbps Throughput, Auto Negotiation
- TP Cable MDI-X
- WDM(1-Fiber) Tx/Rx

Specifications

Technology	- Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100Base-FX	IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000T
Interface	- RJ45 Ports	1-Port 10/100Mbps TP, Auto-Negotiation, Auto MDI/MDI-X TP/STP Cat. 3, 4, 5, 6 Cable EIA/TIA-568 100-ohm(100m)	
	- Fiber Ports	1-Port 1000Mbps, 1000Base-LX, SC connector Single-mode : 9/125 μ m(20km)	
	- LED Indicators	Per unit: Power TX Port(Link/Act, FDX/HDX,1000Mbps,100Mbps) FX Port(Link/Act)	
	- Dip Switch	Internal, Auto-Negotiation, 10/100/1000Mbps, Full/Half Duplex, FLCF on/off	
Performance	- Data transfer	1000Mbps	
Environmental	- Temperature	Operation: 0°C ~ 60°C, Store: -20°C ~80°C	
	- Humidity	5 ~ 95% (Non-condensing)	
	- Power consumption	5.3W	
	- Installation	Stand alone	
Input Voltage		DC 12V 1.5A SMPS Adaptor	
Dimensions		71mm(W) x 94mm(D) x 26mm(H)	

Ordering Information

Model Name	Description
SFC2000-TWL20A	10/100/1000Mbps TP to 1000Mbps-SX/LX Gigabit Ethernet Converter, (1550/1310nm)

100Mbps Fiber-NMS Ethernet Converter

10/100Mbps TP to 100Mbps SFP Management Fast Ethernet Converter



SFC200-MF

- Reliable Optical Communication using Management Function
- Converts UTP to Fiber Optic for Long distance Transmission
- RJ-45 Port Auto MDI/MDI-X
- 10/100Mbps Throughput, Auto Negotiation
- 10/100Mbps, Full/Half-duplex Manual mode
- Supports Built-in Power Type
- LED Indication for Network Connection Status
- IP based Management Function
- Auto Scan Management Program
- Alarm Function during Equipment Malfunction or Cable Disconnection
- Optical Port Monitoring: Temperature, Voltage, Current, Optical Tx/Rx values

Specifications

Technology	- Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100Base-FX
Interface	- RJ45 Ports	1-Port 10/100Mbps TP, Auto-Negotiation, Auto MDI/MDI-X TP/STP Cat. 3, 4, 5, 6 Cable EIA/TIA-568 100-ohm(100m)
	- Fiber Ports	1-Port 100Mbps SC connector Multi-mode : 62.5/125 μ m (2km)
	- LED Indicators	Per unit : Power Per port(TX) : Link, Activity, FDX/HDX, speed Per port(FX) : Link, Activity
Performance	- Data transfer	100Mbps
Environmental	- Temperature	Operation: 0°C ~ 60°C, Store: -20°C ~80°C
	- Humidity	5 ~ 95% (Non-condensing)
	- Installation	Stand alone, Center Mount Module Type
Input Voltage		DC 5V 2A SMPS Adapter
Dimensions		71mm(W) x 94mm(D) x 26mm(H)

Ordering Information

Model Name	Description
SFC200-MF	10/100Mbps-TX to 100Mbps-FX Fast Ethernet Converter(SFP Slot), Monitoring Fiber optic port support

NMS Gigabit Ethernet Converter(SFP Slot Type)

1-Port TP 1Gbps + 1-SFP Slot 1Gbps Fiber Optic Ethernet Converter



SFC2000MF

- Reliable Optical Communication using Management Function
- Converts TP to Fiber Optic for Long distance Transmission
- 1-Slot (1000Mbps) SFP + 1-Port TP (10/100/1000Mbps)
- SFP Slot 100M/1000Mbps, Throughput Selection
- UTP Cable Auto MDI/MDI-X, Auto Negotiation
- IP based Management Function
- Auto Scan Management Program
- Alarm Function during Equipment Malfunction or Cable Disconnection
- Optical Port Monitoring: Temperature, Voltage, Optical Tx/Rx values

Specifications

Technology	- Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3U 100Base-TX/100Base-FX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX
Interface	- RJ45 Ports	Auto-Negotiation, 2-Ports TP 10/100/1000Mbps, Auto MDI/MDI-X TP/STP Cat. 3, 4, 5 Cable EIA/TIA-568 100-ohm (100m)
	- Fiber Ports	100Mbps or 1000Mbps (LC connector)
	- LED Indicators	Power, FD, 1000(FIBER), 1000(UTP), LINK/ACT(FIBER), LINK/ACT(UTP)
Performance	- Back Plane	Switch Fabric : 4Gbps Throughput : 2.976Mpps JUMBO FRAME : 9216 Byte
	- Data transfer	TP-Cable(Cat.5) : 100m MMF(62.5/125) : 220m, SMF(8~10/125) : 10~80Km
Environmental	- Temperature	Operation: 0°C ~ 70°C
	- Humidity	5 ~ 90% (Non-condensing)
Input Voltage		DC 12V Power Consumption: No load 0.7W, Full load 2W
Dimensions		71mm(W) x 94mm(D) x 26mm(H)

Ordering Information

Model Name	Description
SFC2000MF	1-Port 10/100/1000Mbps TP + 1-Slot 1000Mbps SFP, NMS, Monitoring Fiber optic port support
SFP-SX	SFP(1.25Gbps), Multi-mode, 220/550m, 850nm, LC Type
SFP-LX	SFP(1.25Gbps), Single-mode, 20Km, 1310nm, LC Type
SFP-SX2	SFP(1.25Gbps), Multi-mode, 2Km, 1310nm, LC Type