

## 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 products 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.

# Industrial Switches



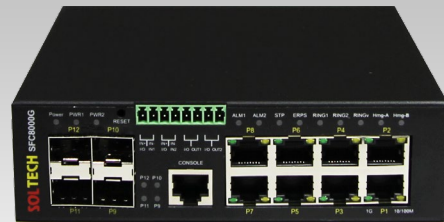
SFC8000



SFC8000S



SFC8000BP



SFC8000G



SFC8000G-1U



SFC8000G-4U

# 2.5G Industrial Ethernet

10/100/1000-T 8-Port + 100/1000/2.5Gbps SFP 2-Slots



- 10/100/1000Mbps TP 8-Ports + 100/1000/2.5Gbps SFP 2-Slots
- Web-based management, Telnet, SSH, SNMP, RMON, Syslog
- Class of Service, Quality of Service
- ARP Inspection, DHCP Snooping, IP Source Guard support
- Priority Queue Support(8 Queue per port)
- STP(IEEE 802.1D) / RSTP(IEEE802.1D) / RSTP(IEEE802.1w) / MSTP(IEEE802.1 Q)
- Carrier Ethernet(ERPS)
- S-Ring(Recovery time < 10ms), Dual-Ring
- 802.1Q Tag VLAN support , ID Tagged VLAN
- Auto Scan Manager Program (Scan, IP Setting)

## Specifications

Technology	Standard	IEEE 802.3/3u/3ab/3z 10Base-T / 100Base-TX and 100Base-FX / 1000Base-T / Gigabit Fiber IEEE 802.1w Rapid spanning tree protocol IEEE 802.1Q VLAN(Supports 4K) & VLAN Trunking IEEE 802.3ad LACP
Interface	RJ45 Port	10/100/1000Mbps TP 8-Ports, Auto MDI/MDI-X TP/STP Cat. 3, 4, 5, 6 Cable EIA/TIA-568 100-ohm(100m)
	Fiber Port	100/1000/2.5Gbps SFP Slot Multi mode: 50/125 $\mu$ m, 62.5/125 $\mu$ m, Single mode: 9/125 $\mu$ m
	LED Indication	Per unit: Power, Power Input 1, Power Input2, Fault/Alarm, Ring Master 1000Mbps TP Port: Speed(1000Mbps Yellow), Link/Activity (Green), Mini-GBIC: Link/Activity (Green)
	I/O Device	2 Input, 2 Output
Performance	Back Plane	Switching Fabric 26Gbps
	MAC Address	8K MAC Address table
	Installation Method	DIN-Rail, Panel mounting
Operating Environment	Temperature	Operating : -40°C ~ 80°C, Storage : -45°C ~ 85°C
	Humidity	5 ~ 95% (Non-condensing)
Power Supply		DC 12V ~ 54V, Dual Power, Polarity Protection Circuit
Dimension		61mm(W) x 110mm(D) x 157mm(H), Aluminum case, IP30

## Ordering Information

Model Type	Specification
SFC8000	10/100/1000Mbps TP 8-Ports + 100/1000/2.5Gbps SFP 2-Slots
SFP-SX	SFP(1.25Gbps) module, Multi-mode, Transmission Distance 220/550m, 850nm, LC Connector
SFP-LX	SFP(1.25Gbps) module, Single-mode, Transmission Distance 20km, 1310nm, LC Connector
SFP-LXH	SFP(1.25Gbps) module, Single-mode, Transmission Distance 10Km, 1310nm, LC Connector, -40°C~80°C

# Managed Industrial 2.5Gigabit Ethernet Switch

4-Ports 10/100/1000Mbps TP + 2-Slots 100/1000/2.5Gbps SFP



SFC8000S

- Gigabit S-Ring(Recovery Time < 50ms)
- Compact, Space Saving Package
- 2-SFP Slots 100/1000/2.5Gbps
- I/O interface 2 Input, 2 Output
- Carrier Ethernet(ERPS)
- STP(IEEE 802.1D), RSTP(IEEE 802.1w), MSTP(IEEE 802.1Q)
- Full IEEE 802.3 Compliance
- Auto Sensing Speed and Flow Control
- Full Wire Speed Communications
- IPMC support(IGMP/MLD), DHCP Client
- Web Based management, Telnet, SNMP, Syslog
- Auto Scan Manager Program(Scan, IP Setting)

## Specifications

<b>Standard</b>		IEEE 802.3/3u/3ab/3z 10Base-T / 100Base-TX and 100Base-FX / 1000Base-T / Gigabit Fiber IEEE 802.1w Rapid Spanning Tree Protocol IEEE 802.1Q VLAN Tagging IEEE 802.3ad LACP
<b>Interface</b>	RJ45 Port	4-Ports 10/100/1000Mbps TP, Auto MDI/MDI-X TP/STP Cat. 3, 4, 5, 6 Cable EIA/TIA-568 100-ohm(100m)
	Fiber Port	100/1000/2.5Gbps SFP Slot Multi mode: 50/125 $\mu$ m, 62.5/125 $\mu$ m, Single mode: 9/125 $\mu$ m
	LED Indication	Per unit: Power, Power Input1, Power Input2, Fault/Alarm, Ring Master 1000Mbps TP Port: Speed(1000Mbps Yellow), Link/Activity(Green), Mini-GBIC: Link/Activity(Green)
	Input/Output	2 Input, 2 Output
<b>Performance</b>	Back Plane	Switching Fabric 26Gbps
<b>Operating Environment</b>	Temperature	Operating: 40°C ~ 80°C, Storage: -45°C ~ 85°C
	Humidity	5 ~ 95% (Non-condensing)
	Installation Method	DIN-Rail, Panel mounting
<b>Power Supply</b>		DC 12V~54V, Redundant DC Power input, Power polarity reverse protect
<b>Dimension</b>		41.3mm(W) x 106.3mm(D) x 112.3mm(H), IP30

## Ordering Information

Model Name	Specification
SFC8000S	4-Ports 10/100/1000Mbps TP + 2-Slots 100/1000/2.5Gbps SFP, Compact Size
SFP-SX	SFP(1.25Gbps) Module, Multi-mode, 220/550m, 850nm, LC Type
SFP-LX	SFP(1.25Gbps) Module, Single-mode, 20Km, 1310nm, LC Type
SFP-LXH	SFP(1.25Gbps) Module, Industrial Single-mode, 10Km, 1310nm, LC Type

# 2.5G Industrial Ethernet Ring Bypass Switch

10/100/1000-T 8-Ports + 2.5Gbps SFP 2-Slots + 1G SFP 2-Slots



- 10/100/1000Mbps TP 8-Ports + SFP 4-Slots
- SFP 2-Slots(100Mbps/1Gbps/2.5Gbps)
- SFP 2-Slots(100Mbps/1Gbps)
- Web-based Management, Telnet, SSH, SNMP, RMON, Syslog
- ARP Inspection, DHCP Snooping, IP Source Guard support
- STP(IEEE 802.1D)/ RSTP(IEEE802.1w)/ MSTP(IEEE802.1 Q)
- Carrier Ethernet(ERPS)
- S-Ring, Dual-Ring support
- 802.1Q Tag VLAN support , ID Tagged VLAN
- Auto Scan Manager Program (Scan, IP Setting)

SFC8000BP

## Specifications

Technology	- Standard	IEEE 802.3/3u/3ab/3z 10Base-T / 100Base-TX and 100Base-FX / 1000Base-T / Gigabit Fiber IEEE 802.1w Rapid spanning tree protocol IEEE 802.1Q VLAN(Supports 4K) and VLAN Trunking IEEE 802.3ad LACP
Interface	- RJ45 Port	10/100/1000Mbps TP 8-Ports, Auto MDI/MDI-X TP/STP Cat. 3, 4, 5, 6 Cable EIA/TIA-568 100-ohm(100m)
	- Fiber Port	100Mbps/1Gbps/2.5Gbps SFP Slot, 100Mbps/1Gbps SFP Slot, Multi mode: 50/125 $\mu$ m, 62.5/125 $\mu$ m, Single mode: 9/125 $\mu$ m
	- LED Indication	Per unit: Power, Power Input 1, Power Input2, Fault/Alarm, Ring Master 1000Mbps TP Port: Speed(1000Mbps Yellow), Link/Activity (Green), Mini-GBIC: Link/Activity (Green)
	- I/O Device	2 Input, 2 Output
Performance	- Back Plane	Switching Fabric 30Gbps
	- MAC Address	8K MAC Address table
	- Installation Method	DIN-Rail, Panel mounting
Operating Environment	- Temperature	Operating : -40°C ~ 80°C, Storage : -45°C ~ 85°C
	- Humidity	5 ~ 95% (Non-condensing)
Power Supply		100~240VAC, 50/60Hz, Internal Dual Power
Dimension		266.1mm(W) x 183.8mm(D) x 88mm(H)

## Ordering Information

Model Name	Specification
SFC8000BP	10/100/1000Mbps TP 8-Ports + 1Gbps/2.5Gbps SFP 2-Slots + 1Gbps SFP 2-Slots, BYPASS Switch
SFP-SX	SFP(1.25Gbps) module, Multi-mode, Transmission Distance 220/550m, 850nm, LC Connector
SFP-LX	SFP(1.25Gbps) module, Single-mode, Transmission Distance 20Km, 1310nm, LC Connector
SFP-LXH	SFP(1.25Gbps) module, Single-mode, Transmission Distance 10Km, 1310nm, LC Connector, -40°C~80°C

# 2.5G Industrial Ethernet

10/100/1000-T 8-Port + 100/1000/2.5Gbps SFP 2-Slots + 100/1000Mbps SFP 2-Slots



- 10/100/1000-T 8-Ports + SFP 4-Slots
- SFP 2-Slots(100/1000/2.5Gbps), SFP 2-Slots(100/1000Mbps)
- ARP Inspection, DHCP Snooping, IP Source Guard support
- STP(IEEE 802.1D) /RSTP(IEEE 802.1w) /MSTP(IEEE 802.1Q)
- Carrier Ethernet (ERPS)
- S-Ring, Dual Ring
- IPv4/IPv6
- IPMC support (IGMP/MLD)
- Auto Scan Manager Program (Scan, IP Setting)

SFC8000G

## Specifications

Technology	Standard	IEEE 802.3/3u/3ab/3z 10Base-T / 100Base-TX and 100Base-FX / 1000Base-T /Gigabit Fiber IEEE 802.1w Rapid spanning tree protocol IEEE 802.1Q VLAN Tagging IEEE 802.3ad LACP
Interface	RJ45 Port	8-Ports 10/100/1000Base-T(X), Auto MDI/MDI-X UTP/STP Cat. 3, 4, 5, 6 Cable EIA/TIA-568 100-ohm(100m)
	Fiber Port	100/1000Base SFP Slot, 100/1000/2.5Gbps SFP Slot Multi mode: 50/125 $\mu$ m, 62.5/125 $\mu$ m, Single mode: 9/125 $\mu$ m
	LED Indication	Per unit: Power, Power Input 1, Power Input2, Fault/Alarm, Ring Master 1000Base-T Port: Speed(1000Mbps Yellow), Link/Activity (Green) Mini-GBIC: Link/Activity (Green)
	I/O Device	2 Input, 2 Output
Performance	Back Plane	Switching Fabric 30Gbps
	Mac Address	8K MAC Address table
	Installation Method	Panel mounting
Operating Environment	Temperature	Operating : -40°C ~ 80°C, Storage: -40°C ~ 85°C
	Humidity	5% ~ 95% (Non-condensing)
Power Supply		DC 12V~54V, Dual Power, Polarity Protection Circuit
Dimension		153.8mm(W) x 151.2mm(D) x 44.4mm(H)

## Ordering Information

Model Name	Specification
SFC8000G	POE 10/100/1000Mbps10/100/1000-T 8-Ports + 100/1000/2.5Gbps SFP 2-Slots+ 100/1000Mbps SFP 2-Slots
SFP-SX	SFP(1.25Gb) module, Multi-mode, Transmission Distance 220/550m, 850nm, LC Connector
SFP-LX20	SFP(1.25Gb) module, Single-mode, Transmission Distance 20Km, 1310nm, LC Connector

# Industrial Switch (SFC8000G) 1U, 2-Slots Chassis

19" Rack Type, 1U Size, 2-Slots



- Industrial Switch (SFC8000G) Set type Chassis 1U(2-Slots)
- Bypass (SFC8000G-1U option)
- SFC8000G-1U : 19"Rack Type, 1U Size, Bypass option)
- Supports Dual Power

## Specifications

Interface	Number of Slots	SFC8000G-1U : 2-Slots SFC8000G-4U : 8-Slots
	LED Indication	Per unit: Power, Power Input 1, Power Input2, Fault/Alarm, Ring Master 1000Mbps TP Port: Speed(1000Mbps Yellow), Link/Activity (Green) Mini-GBIC: Link/Activity (Green)
Operating Environment	Temperature	Operating: -40°C ~ 80°C, Storage: -40°C ~ 80°C
	Humidity	5 ~ 95% (Non-condensing)
Power Supply		100~240VAC, 50/60Hz
Dimension		417mm(W) x 226mm(D) x 45mm(H)

## Ordering Information

Model Name	Specification
SFC8000G-1U	SFC8000G, 1U Chassis, 2-Slots, Dual Power, Bypass option

# Industrial Switch (SFC8000G) Set type Chassis (4U)

SFC8000G-4U : 19" RACK TYPE, 1U SIZE, 8-Slots



- Industrial Switch(SFC8000G) Set type Chassis 4U(8-Slots)
- SFC8000G-4U : 19"Rack Type, 4U Size, 8-Slots
- Supports Dual Power

## Specifications

Interface	Number of Slots	SFC8000G-4U : 8-Slots
	LED Indication	Per unit : Power Input1, Power Input2, Fault/ALARM, Ring Master 1000Mbps TP Port : Speed(1000Mbps Yellow), Link/Activity(Green), Mini-GBIC : Link/Activity(Green)
Operating Environment	Temperature	Operating: -40°C ~ 60°C, Storage: -40°C ~ 85°C
	Humidity	5 ~95% (Non-condensing)
Power Supply		100~240VAC, 50/60Hz
Dimension		443.5mm(W) x 256mm(D) x 174.4mm(H)

## Ordering Information

Model Name	Specification
SFC8000G-1U	SFC8000G, 1U Chassis, 2-Slots, Dual Power, Bypass option
SFC8000G-4U	SFC8000G, 4U Chassis, 8-Slots