

Network Solution

COMPANY INTRODUCTION

Made in **SOLTECH**

Korea's First

1

Optical modem, converter
and Industrial Switch manufacturer

Fiber Optic
Solution Provider

27 yrs.

27 years of
Professionality

Product Line-up

250 nos.

Various items
for Fiber Optic Network

Production Capability

500,000 nos.

Optimized Production Facility

SOLTECH Grows along with our Partners

96 Established SOLTECH

13 Established SOLTECH Infonet R&D Center

- Airforce ACMI DD project, Navy CBT project,
- U-City of Gangnam, Gangbuk, Ansan, Sejong, Busan
- Ho Chi Minh Suburb Surveillance, Bismayah Suburb

14 Achieved INNO-BIZ certificate

17 Established SOLTECH Precision

Established SOLTECH Networks

00 1st development and launch
of 100Mbps fiber ethernet
converter

01 Established SOLTECH INFONET

Supplied Fiber Converter to Korea Telecom (KT)

02 Supplied Fiber converter to 60 domestic
System Operators

Supplied of Fiber modem to Seoul Metro

06 Supplied Network System to U-City of Dongtan

Supplied Network System to KT power facility

07 Supplied materials to KT B2B MRO Resources

Registered as Market place of KT commerce vender

20 Launched SDN solution

Launched FTTH Maintenance solution
"SOLMate"

21 Launched online platform "Fibermart"

Launched Enterprise L3 Switch

Annual supply contract with
KT GIGA EYES

22 Launched L3 40G, 100G Switch

Launched Industrial type 8100
10G BT Class Switch

Online
Platform

Network Solution

www.soltech.co.kr

Optical Solution

www.solmate.kr

Global Sales

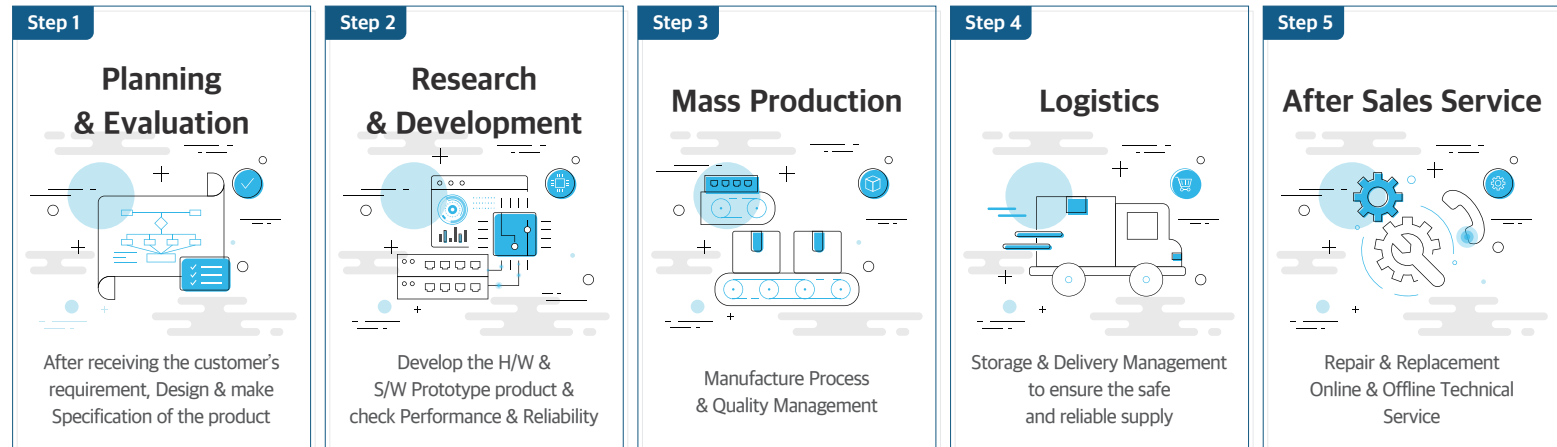
www.solmate.net

Online Market

www.fibermart.co.kr

COMPANY INTRODUCTION

OEM/ODM Service Process



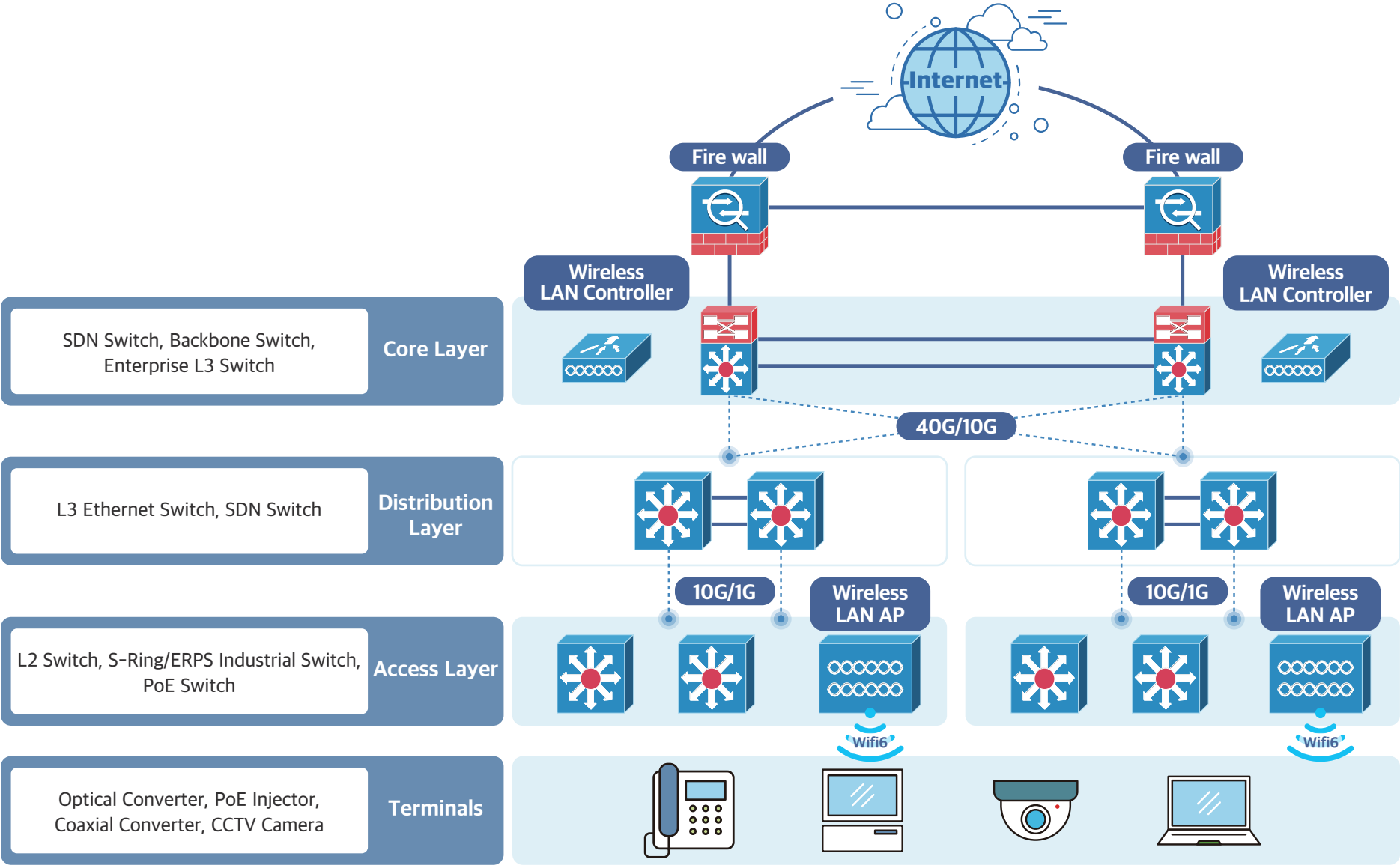
SOLTECH offers the integrated services of development, production and quality management with OEM & ODM business expertise. We are doing our best to quickly provide customers with customized solutions based on our 27 years of experience in supplying communication infrastructure to government, public institutions, and general companies.

Project Reference

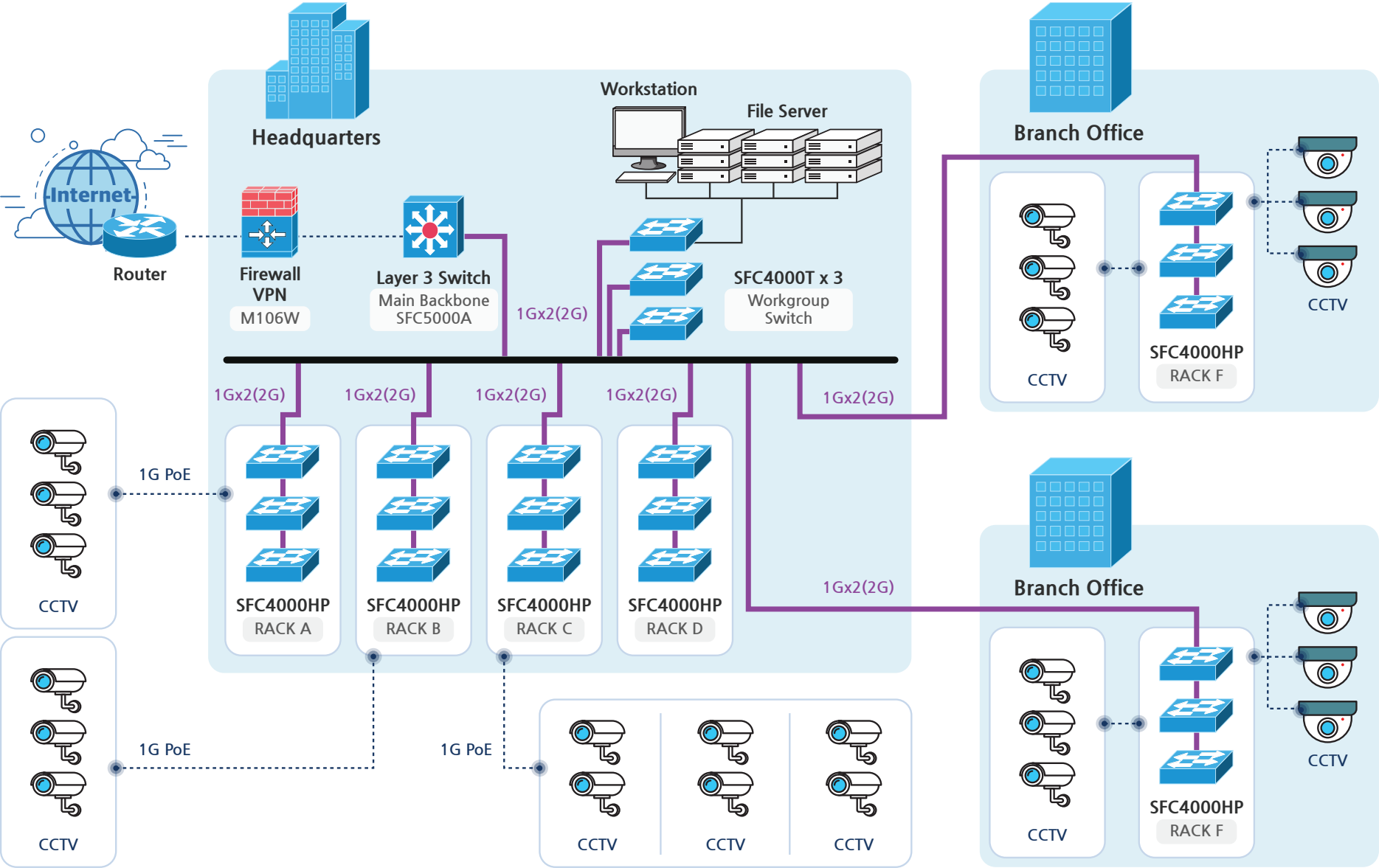


SOLTECH GROUP is a Fiber Optic Solution Provider which supplies Optical Network Equipment to various application fields such as airport, harbor, expressway, tunnel, smart factory, power plant, telco, security provider, military, apartment, smart city, etc.

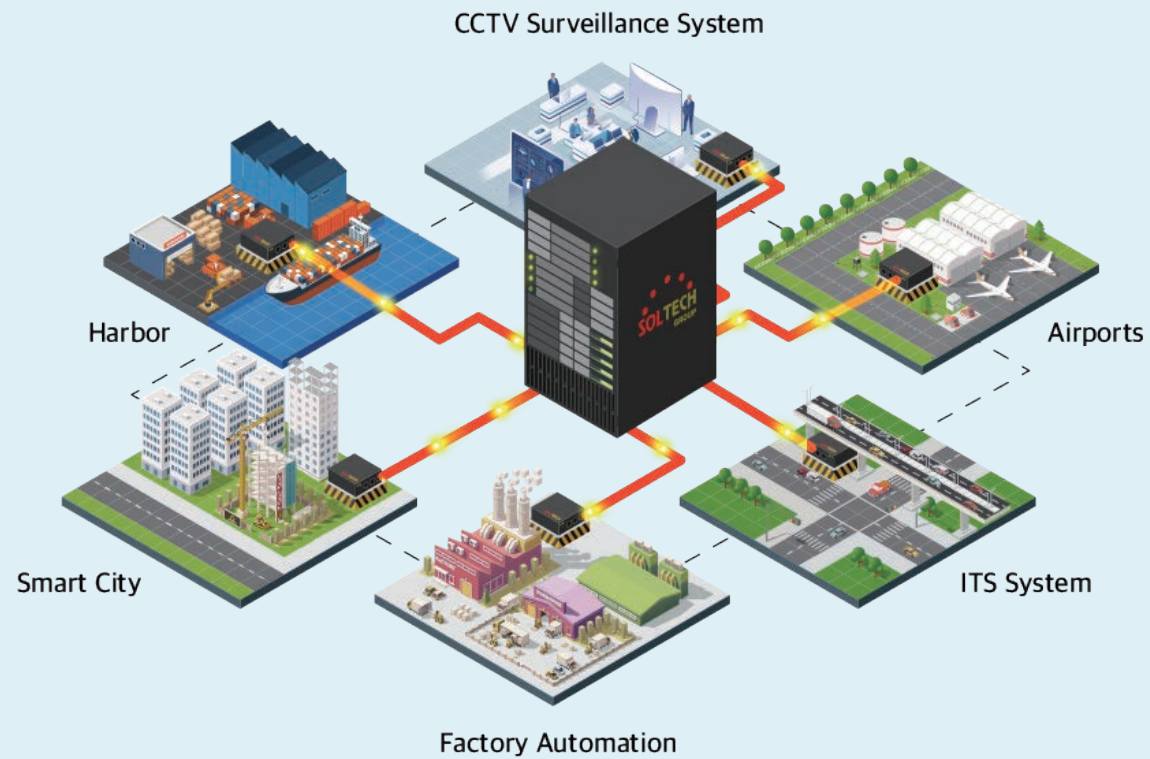
NETWORK SOLUTION | Network Design



NETWORK SOLUTION | Network Design



NETWORK SOLUTION | Applications



Industrial Ethernet Solution

(Smart City, Factory, Expressway)



PoE Ethernet Solution

(Security Company, CCTV Network)



Ethernet Fiber Transmission Solution

(Offices, Gym, Data Center)



SDN Solution

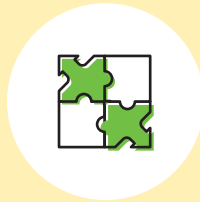
(Regional Educational School Network)

NETWORK SOLUTION | Product List

No	Products	Series	Index	Page
01	SDN Ethernet Switch	SFC9500 series, SFC9300 series	40G, SDN	8
02	Carrier-level Chassis type Ethernet Switch	SFC6500 series	100G, 40G	10
03	Enterprise L3 Ethernet Switch	SFC9400A/SFC9300A series, SFC9200/SFC9100 series	100G, 40G	12
04	Layer 3 Ethernet Switch	SFC5200 series	-	14
05	Layer 2 Ethernet Switch	SFC400 series, SFC4000 series, SFC4200 series	-	16
06	Layer 2 S-Ring Ethernet Switch	SFC450 series, SFC4500 series	-	18
07	Security Certified Switch	SFC6100 series, SFC6200 series, SFC6800 series	Under testing	20
08	1G Industrial Ethernet Switch	SFC8000 series	-	22
09	10G Industrial Ethernet Switch	SFC8100 series	-	24
10	Network Management System(EMS)	Network Management System(EMS)	-	26
11	Unmanaged PoE Ethernet Switch	SFC500 series(5, 8, 16, 24-PoE), PoE Injector, PoE Extender	-	28
12	Unmanaged Ethernet Switch	SFC300 series(100Mbps Industrial), SFC400 series(100Mbps)	-	30
13	Media Converter	SFC200, SFC2000 series(Optical Converter), SFC100 series(serial)	-	31
14	CCTV Camera Solution	FM-2000 series, FM-5000 series, FM-NVR series	-	32
15	SFP module & FDF & Optical Cable	SFP module, FDF, Jumper cord, Optical Cable	-	34
16	Bracket & Customized Case	Bracket & Customized Case	-	35

SDN SFC9500 series
SDN SFC9300 series

SDN Switch provides a flexibility and high agility by unifying the physical and virtual infrastructure. In addition, applications can be changed, built, monitored and managed quickly, and operations can be simplified beyond the limits of complex networks.



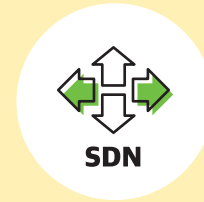
**Interoperability
& Expandability**



**Reliability
& Security**



User Friendliness



SDN Ready

Cost Reduction

- ▷ 20-30% cost savings compared to existing equipment
- ▷ Provides additional functions in the form of S/W
- ▷ Customization by standard API
- ▷ Operation and management time reduction through centralized management

Avoids Vendor Dependency

- ▷ Break free from vendor dependency with standard and OPEN S/W
- ▷ Able to quickly adopt new technologies in the future
- ▷ Securing purchase advantage by breaking away from vendor dependency
- ▷ Any products conforming to SDN standards can be adapted

Infrastructure Performance Increase

- ▷ Full wire-speed using SDN Switch
- ▷ Maintain optimized route using automatic Network sensing
- ▷ Provide multi-routes via Multi-patch Function
- ▷ Distributed traffic processing by service group through Multi-tenant

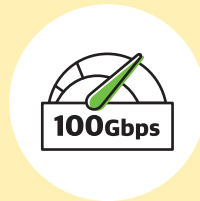
	Model	TP Port	PoE Port	SFP Port	SDN Function
Ordering Information	SFC9500A	-	-	10Gbps SFP 48-Slot + 40Gbps SFP 6-Slot	Openflow
	SFC9300-24T	1Gbps TP 24-Port	-	10Gbps SFP 4-Slot	Openflow
	SFC9300-24HP	-	1Gbps PoE 24-Port, PoE 360W	10Gbps SFP 4-Slot	Openflow
	SFC9300-48T	1Gbps TP 48-Port	-	10Gbps SFP 4-Slot	Openflow
	SFC9300-48HP	-	1Gbps PoE 48-Port, PoE 740W	10Gbps SFP 4-Slot	Openflow



Model		SFC9500A	SFC9300-48T	SFP 9300-48HP	SFP 9300-24T	SFP 9300-24HP
Port	TP Port	-	48 TP(1G)	48 TP(1G)	24 TP(1G)	24 TP(1G)
	10G Fiber Port	48 SFP(1G/10G)	4 SFP(1G/10G)	4 SFP(1G/10G)	4 SFP(1G/10G)	4 SFP(1G/10G)
	40G Fiber Port	6 QSFP(40G)	-	-	-	-
PoE	PoE Port	-	-	48 PoE(802.3af/at)	-	24 PoE(802.3af/at)
	PoE Capacity	-	-	780W	-	390W
Performance	Switch Fabric	1.44Tbps	176Gbps		128Gbps	
	Throughput	1071.4Mpps	130.9Mpps		95.2Mpps	
	Memory(RAM)	1024MB	1024MB		1024MB	
	Flash Memory	2048MB	8096MB		8096MB	
	MAC Table	32K	32K		32K	
	Jumbo Frame	9.6K	9.6K		9.6K	
Network Management	STP/RSTP/MSTP	O	O		O	
	802.1Q VLAN	O	O		O	
	IEEE 802.1x	O	O		O	
	IGMP Snooping	O	O		O	
	802.3ad LACP	O	O		O	
OpenFlow	Controller type	OpenDaylight/ONOS/NOX/Ryu				
	OpenFlow features	Multiple Flow tables, Group tables, Pipeline processing, Custom pipeline processing, Multi-VLAN instances, Groups in hardware, OpenFlow physical, logical and reserved ports, Version negotiation, OpenFlow Extensible Match (OXM), Multiple controllers, Support for IPv6 flows				
	OpenFlow Flow entry	4,000	3,500		3,500	
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V		AC 100 ~ 240V	
	No-load	150W	-	-	-	-
	Maximum	190W	60W	840W	60W	450W
	Dual Power	O	O	-	-	-
Operating Environment	Operating Temperature	0 ~ 45℃	0 ~ 45℃		0 ~ 45℃	
	Installation Method	Rack Mount	Rack Mount		Rack Mount	
	Dimension(WxDxH)	442x470x43.6 (mm)	440x360x44 (mm)		440x360x44 (mm)	

**SFC6506 Chassis type
Backbone Switch****SFC6510 Chassis type
Backbone Switch**

The SFC6500 chassis switch is a high-performance core switch for high-level cloud computing, data center and campus network management. Adopting high-performance hardware architecture design, it provides industry-leading switching performance and rich data center service functions. It supports max. 384 x 10G Ports, 64 x 40G Ports and 32 x 100G Ports.



**100Gbps Data Center
Core Switch**



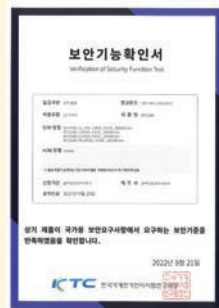
**State of art H/W architecture,
Maximum Port Support**



**Carrier-Level
Reliability**



**Various Business Function,
IPv6 and Security**



Security Function Certified

Reliable as the Data Center

- ▷ Dual system control based on uninterrupted protection system
- ▷ Power Redundant supply system
- ▷ Redundant Switch Fabric

Various Business Function

- ▷ L2/L3 Multicast Routing
- ▷ L3 Unicast Protocol
- ▷ Large Capacity Routing Table
- ▷ Switch Virtualization and Centralized Management

Comprehensive Security

- ▷ Hierarchical Scheduling and Packet Protection
- ▷ Protection support against various attacks on large-scale traffic and devices
- ▷ Measures to DOS or TCP attack
- ▷ Authorization management according to user level

Model		Full Slot	Control Card	Communication Card	Fabric Card
Ordering Information	SFC6506	10-Slot	MCU Card 2-Slot	Line Card 4-Slot	SFU Card 4-Slot
	SFC6510	14-Slot	MCU Card 2-Slot	Line Card 8-Slot	SFU Card 4-Slot



SFC6506

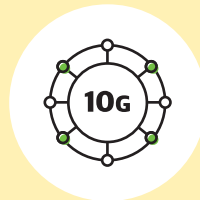


SFC6510

Model		SFC6506	SFC6510
Port	Core Switch	100G Data Center & Enterprise & Public Institute Network	100G Data Center & Enterprise & Public Institute Network
	TOTAL Slots	10-Slot	14-Slot
	FAN Slots	2-Slot	2-Slot
	POWER Slots	7-Slot	7-Slot
	MCU Slots	2-Slot	2-Slot
	SFU Slots	4-Slot	4-Slot
	Business Slots	4-Slot	8-Slot
Performance	Switch Fabric	5.12Tbps Max	10.24Tbps Max
	Throughput	3809.5Mpps Max	5714.2Mpps Max
	Memory(RAM)	1 GB	1 GB
	Flash Memory	64 MB	64 MB
	MAC Table	512K	512K
	Jumbo Frame	9K	9K
Network Management	STP/RSTP/MSTP	0	0
	802.1Q VLAN	0	0
	IEEE 802.1x	0	0
	IGMP Snooping	0	0
	802.3ad LACP	0	0
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V
	No-load	-	-
	Maximum	565W	938W
	Dual Power	Option	Option
Operating Environment	Operating Temperature	0 ~ 40℃	0 ~ 40℃
	Installation Method	Rack Mount	Rack Mount
	Dimension(WxDxH)	482x564x486 (mm), 11U	482x564x620 (mm), 14U

SFC9400A, SFC9300A series
SFC9200, SFC9100 series

The SFC9400A series is a switch features reliability, and intelligent operation and maintenance to be used for enterprise campus and data center construction. The SFC9300A series is a switch for the core layer of small campus network or the access layer switch of data centers. The SFC9100 and SFC9200 series are Gigabit switches for enterprise campus network access and desktop.



High Density
10G distribution



Network
Management O&M



Integrated
Security Function



Energy
Saving Design

High Speed Distribution (SFC9400A series)

- ▷ 10G downlink and 40G uplink
- ▷ Enterprise campus
- ▷ License-based expansions
 - 100G Supports 100G uplink ports
 - VXLAN-based virtualization

Integrated Security Function

- ▷ Built-in security probe
- ▷ Abnormal traffic detection
- ▷ Threat Analysis of Encrypted Traffic
- ▷ Threat detection of the entire Network

Network Operation & Maintenance

- ▷ Device data collection via remote measurement
- ▷ Trouble detection through Network Analyzer
- ▷ Simplify operation and maintenance by virtualizing core/group switches, access switches, as logical devices

Model		TP Port	PoE Port	SFP Port	Dual Power	Remarks
Ordering Information	SFC9448A	-	-	10G SFP 48-Slot + 40G/100G QSFP28 6-Slot	O	100G License Option
	SFC9348A	-	-	1G SFP 44-Slot + 10G SFP 4-Slot + 40G QSFP 6-Slot	O	-
	SFC9300A	-	-	1G SFP 20-Slot + 10G SFP 4-Slot + 40G QSFP 6-Slot	O	-
	SFC9248T	1Gbps TP 48-Port	-	10Gbps SFP 4-Slot	-	-
	SFC9248HP	-	1Gbps PoE 48-Port, PoE 380W	10Gbps SFP 4-Slot	-	-
	SFC9200T	1Gbps TP 24-Port	-	10Gbps SFP 4-Slot	-	-
	SFC9200HP	-	1Gbps PoE 24-Port, PoE 380W	10Gbps SFP 4-Slot	-	-
	SFC9100T	1Gbps TP 24-Port	-	1Gbps SFP 4-Slot	-	-
	SFC9100HP	-	1Gbps PoE 24-Port, PoE 380W	1Gbps SFP 4-Slot	-	-



Model		SFC9448A	SFC9348A	SFC9300A
Port	1G Fiber Port	-	44 SFP(1Gbps)	20 SFP(1Gbps)
	10G Fiber Port	48 SFP(1G/10G)	4 SFP(10Gbps)	4 SFP(10Gbps)
	40G Fiber Port	6 QSFP28(40Gbps)	6 QSFP28(40Gbps)	6 QSFP28(40Gbps)
	100G Fiber Port	licences upgrade	-	-
Performance	Switch Fabric	2.4Tbps	648Gbps	600Gbps
	Throughput	1620Mpps	486Mpps	450Mpps
	RAM/Flash Memory	4GB/2GB	4GB/2GB	4GB/2GB
	MAC Table	384K	128K	128K
	Jumbo Frame	10K	10K	10K
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	Minimum/Maximum	97W/274W	90W/255W	88W/229W
	Dual Power	O	O	O
Operating Environment	Operating Temperature	-5 ~ 45°C	-5 ~ 45°C	-5 ~ 45°C
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimension(WxDxH)	442x420x43.6 (mm)	442x420x43.6 (mm)	442x420x43.6 (mm)



Model		SFC9248T	SFC9248HP	SFC9200T	SFC9200HP	SFC9100T	SFC9100HP
Port	TP Port	48 TP(1G)	48 TP(1G)	24 TP(1G)	24 TP(1G)	24 TP(1G)	24 TP(1G)
	1G Fiber Port	-	-	-	-	4 SFP(1G)	4 SFP(1G)
	10G Fiber Port	4 SFP(1G/10G)	4 SFP(1G/10G)	4 SFP(1G/10G)	4 SFP(1G/10G)	-	-
PoE	PoE Port	-	48 PoE(802.3af/at)	-	24 PoE(802.3af/at)	-	24 PoE(802.3af/at)
	PoE Capacity	-	380W	-	380W	-	380W
Performance	Switch Fabric	176Gbps		128Gbps		56Gbps	
	Throughput	130.9Mpps		95.2Mpps		41.6Mpps	
	RAM/Flash Memory	512MB/512MB		512MB/512MB		512MB/512MB	
	MAC Table	32K		32K		32K	
	Jumbo Frame	10K		10K		10K	
Power	Input Power	AC 100 ~ 240V		AC 100 ~ 240V		AC 100 ~ 240V	
	Minimum/Maximum	- /51.9W	76.1W/456.1W	- /45.6W	53.8W/433.8W	- / 47.6W	53.2W/433.2W
Operating Environment	Operating Temperature	-5 ~ 50°C		-5 ~ 45°C		-5 ~ 50°C	
	Installation Method	Rack Mount		Rack Mount		Rack Mount	
	Dimension(WxDxH)	442x220x43.6 (mm)		442x220x43.6 (mm)		442x220x43.6 (mm)	

SFC5200 series

The SFC5200 series is a next-generation integrated 10Gbps Ethernet switch for metropolitan area network, campus network management, campus network and corporate network. Based on providing L2/L3/L4 wire-speed switching services, it supports highly reliable network services such as IPv6, MPLS VPN, network security integration, non-stop upgrades, non-stop forwarding, and redundant protection, guaranteeing uninterrupted communication function.



**1G 48-Port and
Uplink 10G SFP 8-Slot**



**State of art H/W
architecture,
Maximum Port Support**



**Carrier-Level
Reliability
& Layer3 Function**



**Various Business
Function,
IPv6 Security**

Virtual Switching Technology

- ▷ Virtualize multiple physical devices into one logical device
- ▷ Twice increase of Performance
- ▷ Improved reliability of virtual system
- ▷ Improvement of operational efficiency through integrated management of a single IP

Various Business Function

- ▷ L2/L3 Multicast Routing Protocol
- ▷ Massive Routing table capacity
- ▷ L2/L3 MPLS VPN support
- ▷ IPv6 Solution support
- ▷ Security Authentication mechanism support

Green Design - Power Management System

- ▷ Efficient Power Conversion
- ▷ Real-time monitoring of running status
- ▷ Intelligent fan management system
- ▷ IEEE 802.3az Energy Efficient Ethernet

	Model	TP Port	PoE Port	SFP Port	Remarks
Ordering Information	SFC5200B	1Gbps TP 24-Port	-	1Gbps SFP 24-Slot + 10Gbps SFP 6-Slot	Dual Power
	SFC5200AT	1Gbps TP 48-Port	-	10Gbps SFP 8-Slot	Dual Power
	SFC5200HP	-	1Gbps PoE 24-Port, PoE 370W	10Gbps SFP 4-Slot	-



Model		SFC5200B	SFC5200AT	SFC5200HP
Port	TP Port	24 TP(1Gbps)	48 TP(1Gbps)	24 TP(1Gbps)
	1G Fiber Port	24 SFP(1Gbps)	-	-
	10G Fiber Port	6 SFP(1G/10G)	8 SFP(1G/10G)	4 SFP(1G/10G)
PoE	PoE Port	-	-	24 PoE(802.3af/at)
	PoE Capacity	-	-	PoE Max. 370W
Performance	Switch Fabric	216Gbps	176Gbps	128Gbps
	Throughput	162Mpps	130.9Mpps	95.2Mpps
	Memory(RAM)	512MB	512MB	128MB
	Flash Memory	32MB	16MB	32MB
	MAC Table	32K	32K	16K
	Jumbo Frame	9K	9K	9K
Network Management	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	IGMP Snooping	O	O	O
	802.3ad LACP	O	O	O
	ERPS	O	O	O
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load	28W	33W	30W
	Maximum	68W	64W	400W
	Dual Power	Option	Option	-
Operating Environment	Operating Temperature	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimension(WxDxH)	440x350x44 (mm)	443x330x45 (mm)	440x280x44 (mm)

SFC400 series
SFC4000 series
SFC4200 series

SFC400, SFC4000 series are intelligent access switches for telecommunications operators network and enterprise network implementation. By providing rich management methods and flexible installation methods, it can respond to various network configurations and meet the customer's requirements. SFC4200 series supports 10G SFP Slot to expand uplink Network Bandwidth.



1Gbps
Full wire speed



Power Over Ethernet



NMS
Program Support



AS Service
Development-Production
Supply-AS

Convenient Management and Maintenance

- ▷ Console, Telnet, SSH
- ▷ Web-Based Management
- ▷ NMS program management
- ▷ Dual OS support
- ▷ Fast Boot support

PoE Power Supply Line

- ▷ SFC400HP, SFC4000HP, SFC4200HP
- ▷ 802.3af/at standard support
- ▷ Power Port priority setup during power shortage

SFC4200 series

- ▷ Next Generation integrated 10GE Switch
- ▷ Robust ACL, Flexible QinQ
- ▷ 1:1 or N:1 VLAN switching
- ▷ Carrier-level QoS
- ▷ ITU-T G.8032 ERPS

	Model	TP Port	PoE Port	SFP Port	Remarks
Ordering Information	SFC400GM	1Gbps TP 8-Port	-	1Gbps SFP 2-Slot	Dual OS
	SFC400HP	-	1Gbps PoE 8-Port, PoE 120W	1Gbps SFP 2-Slot	Dual OS
	SFC4000HP	-	1Gbps PoE 24-Port, PoE 380W	1G/2.5Gbps SFP 2-Slot	TP/SFP Combo Port(23, 24), Dual OS
	SFC4000C	1Gbps TP 8-Port(Combo)	-	1Gbps SFP 24-Slot + 10Gbps SFP 4-Slot	-
	SFC4000T	1Gbps TP 24-Port	-	1Gbps SFP 4-Slot	-
	SFC4100A	1Gbps TP 4-Port	-	1Gbps SFP 24-Slot + 10Gbps SFP 4-Slot	TP/SFP Combo Port(1~4)
	SFC4100B	1Gbps TP 4-Port	-	1G SFP 16-Slot + 2.5G SFP 8-Slot + 10G SFP 2-Slot	TP/SFP Combo Port(1~4)
	SFC4200T	1Gbps TP 24-Port	-	10Gbps SFP 4-Slot	-
	SFC4200HP	-	1Gbps PoE 24-Port, PoE 400W	10Gbps SFP 4-Slot	-
	SFC4254T	1Gbps TP 48-Port	-	10Gbps SFP 6-Slot	-



Model		SFC400GM	SFC400HP	SFC4000HP	SFC4000C	SFC4000T
Port	TP Port	8 TP(1Gbps)	8 TP(1Gbps)	24 TP(1Gbps)	8 TP(1Gbps) Combo	24 TP(1Gbps)
	Fiber Port	2 SFP(1Gbps)	2 SFP(1Gbps)	4 SFP(1Gbps), Combo(23, 24)	24 SFP(1Gbps) + 4 SFP(10Gbps)	4 SFP(1Gbps)
	PoE Fiber Port	-	8 PoE(af/at), PoE Max. 120	24 PoE(af/at), PoE Max.380W	-	-
Performance	Switch Fabric	20Gbps	20Gbps	52Gbps	128Gbps	56Gbps
	Throughput	14.8Mpps	14.8Mpps	38.6Mpps	95.2Mpps	41.6Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB	258MB/32MB	128MB/16MB
	MAC Table	8K	8K	8K	16K	8K
	Jumbo Frame	9.6K	9.6K	9.6K	9K	9K
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	Minimum/Maximum	AC 3.2W/ AC 7.6W	AC 8.7W/ AC 130W	AC 25.4/ AC 441W	AC 20W/ AC 38W	AC 7W/ AC 25W
Operating Environment	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃	0 ~ 50℃	0 ~ 50℃
	Dimension(WxDxH)	217x155x44 (mm)	331x153x44 (mm)	439.5x300x44 (mm)	440x280x44 (mm)	440x230x45 (mm)



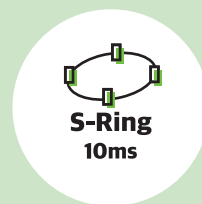
Model		SFC4100A	SFC4100B	SFC4200T	SFC4200HP	SFC4254T
Port	TP Port	4 TP(1Gbps)	4 TP(1Gbps)	24 TP(1Gbps)	24 TP(1Gbps)	24 TP(1Gbps)
	Fiber Port	24 SFP(1Gbps) + 4 SFP(10Gbps)	16SFP(1G)+8SFP(2.5G)+2SFP(10G)	4 SFP(10Gbps)	4 SFP(10Gbps)	6 SFP(10Gbps)
	PoE Fiber Port	-	-	-	24 PoE(af/at), PoE Max.400W	-
Performance	Switch Fabric	128Gbps	112Gbps	128Gbps	128Gbps	216Gbps
	Throughput	95.2Mpps	83.3Mpps	95.2Mpps	95.2Mpps	160.7Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/32MB	512MB/32MB	256MB/32MB
	MAC Table	32K	32K	16K	16K	16K
	Jumbo Frame	4.7K	4.7K	9K	12K	9K
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load/Max.Power	AC 14.7W/ 33.7W	AC 12.2W/ 32.6W	AC 22W/ AC 35W	AC 29.9W/ AC 459.9W	AC 25W/ AC40W
Operating Environment	Operating Temperature	0 ~ 60℃	0 ~ 60℃	-20 ~ 65℃	0 ~ 45℃	-20 ~ 65℃
	Dimension(WxDxH)	439x203x44 (mm)	449x203x44 (mm)	440x180x44 (mm)	440x330x44 (mm)	440x280x44 (mm)

SFC450 series
SFC4500 series

The SFC450 and SFC4500 series are intelligent access switches for telecommunications operators network and enterprise network implementation. SFC450, SFC4500 S-Ring series are Soltech's own ring-recovery protocol and is used for CCTV private networks.



1Gbps
Full wire speed



Recovery Time
10ms S-Ring Protocol



NMS
Program Support



AS Service
Development-Production
Supply-AS

Convenient Management and Maintenance

- ▷ Console, Telnet, SSH
- ▷ Web-Based Management
- ▷ NMS program management
- ▷ Dual OS support
- ▷ Fast Boot support

PoE Power Supply Line

- ▷ SFC450HP, SFC4500HP
- ▷ 802.3af/at standard support
- ▷ Power Port priority setup during power shortage

S-Ring series

- ▷ SFC450 series, SFC4500 series
- ▷ SCAN MANAGER setting/management
- ▷ Fast-Ring implementation with convenient setting
- ▷ Ethernet Ring Configuration without hop-count restriction
- ▷ ITU-T G.8032 ERPS

	Model	TP Port	PoE Port	SFP Port	Remarks
Ordering Information	SFC450R	1Gbps TP 8-Port	-	1Gbps SFP 2-Slot	S-Ring
	SFC450HP	-	1Gbps PoE 8-Port, PoE 120W	1Gbps SFP 2-Slot	S-Ring
	SFC4500A	1Gbps TP 4-Port(Combo)	-	1Gbps SFP 24-Slot + 10Gbps SFP 4-Slot	S-Ring, TP/SFP Combo Port(1~4)
	SFC4500A(DC)	1Gbps TP 4-Port(Combo)	-	1Gbps SFP 24-Slot + 10Gbps SFP 4-Slot	S-Ring, TP/SFP Combo Port(1~4), DC 48V
	SFC4500T	1Gbps TP 24-Port	-	1Gbps SFP 4-Slot	S-Ring, TP/SFP Combo Port(23,24)
	SFC4500T(DC)	1Gbps TP 24-Port	-	1Gbps SFP 4-Slot	S-Ring, TP/SFP Combo Port(23,24), DC 48V
	SFC4500HP	-	1Gbps PoE 24-Port, PoE 380W	1Gbps SFP 4-Slot	S-Ring, TP/SFP Combo Port(23,24)



Model		SFC450R	SFC450HP	SFC4500A	SFC4500T	SFC4500HP
Port	TP Port	8 TP(1Gbps)	8 TP(1Gbps)	4 TP(1Gbps)	24 TP(1Gbps)	24 TP(1Gbps)
	1G Fiber Port	2 SFP(1Gbps)	2 SFP(1Gbps)	24 SFP(1Gbps)	4 SFP(1Gbps)	4 SFP(1Gbps), Combo(23, 24)
	10G Fiber Port	-	-	4 SFP(10Gbps)	-	-
	Combo Port	-	-	4 Port(1~4)	2 Port(23, 24)	2 Port(23, 24)
PoE	PoE Port	-	8 PoE(af/at)	-	-	24 PoE(af/at)
	PoE Capacity	-	PoE Max. 120W	-	-	PoE Max.380W
Performance	Switch Fabric	20Gbps	20Gbps	128Gbps	52Gbps	52Gbps
	Throughput	14.8Mpps	14.8Mpps	95.2Mpps	38.6Mpps	38.6Mpps
	Memory(RAM)	128MB	128MB	128MB	128MB	128MB
	Flash Memory	16MB	16MB	16MB	16MB	16MB
	MAC Table	8K	8K	32K	8K	8K
	Jumbo Frame	9.6K	9.6K	4.7K	9.6K	9.6K
Network Management	STP/RSTP/MSTP	O	O	O	O	O
	802.1Q VLAN	O	O	O	O	O
	IEEE 802.1x	O	O	O	O	O
	IGMP Snooping	O	O	O	O	O
	ITU-T G.8032 ERPS	O	O	O	O	O
	S-Ring	O	O	O	O	O
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load	AC 3.15W	AC 8.7W	AC 14.7W	AC 25.4W	AC 26W
	Maximum	AC 7.6W	AC 130W	AC 33.7W	AC 36W	AC 441.1W
	Dual Power	-	-	-	-	-
	DC Support Model	-	-	SFC4500A(DC)	SFC4500T(DC)	-
	DC Power Standard	-	-	DC 48V, Power Consumption : DC 17W/DC 35W		-
Operating Environment	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Dimension(WxDxH)	217x155x44 (mm)	331x153x44 (mm)	439x203x44 (mm)	439x300x44 (mm)	439x300x44 (mm)

SFC6100 series**SFC6200 series****SFC6800 series**

In order to deliver switches to public organization, a conformity of security and function verification certificate must be submitted. Soltech Ethernet Switch are under progress of certification for security function verification.

Identification and Authentication	Password Support	Information Flow Control	Security Management
▷ Administrator password change function ▷ Safe password setting function ▷ Access restriction under authentication failure ▷ Input password masking ▷ Save password encryption ▷ Password inference prevention	▷ Encryption Algorithm Security level - Hash(SHA-256) - Symmetric key encryption(AES256) - Public key cryptography(RSA2048) - Encryption during SNMP transmission: AES128, AES256 - Message authentication during SNMP transmission : HMAC-SHA, HMAC-SHA256	▷ ACL Function ▷ VLAN Function ▷ VLAN based ACL	▷ Remote Management ▷ Firmware update management ▷ IP addressing for remote management ▷ Session lock/shutdown when unused for a certain period of time ▷ Concurrent administrator session number limit ▷ SNMP V3 support
Self Test	Access Control	Data Transmission Protection	Audit Record
▷ Self-test of main hardware during operation ▷ Self-test of main process during operation ▷ Firmware image, software integrity check ▷ Limiting the number of concurrent administrator sessions	▷ Access right setting for each administrator account ▷ Password setting for changing operation mode ▷ Additional authentication during operating mode change	▷ Encrypted communication for remote access ▷ Supports SSH 2.0 or higher Function	▷ Audit data production ▷ Administrator Notification when Audit Trail Dimension is Exceeded ▷ Audit data access restriction function

	Model	TP Port	PoE Port	SFP Port
Ordering Information	SFC6100T	1Gbps TP 24-Port	-	10Gbps SFP 4-Slot
	SFC6100A	1Gbps TP 8-Port(Combo)	-	1Gbps SFP 24-Slot + 10Gbps SFP 4-Slot
	SFC6100HP	-	1Gbps PoE 24-Port, PoE 370W	10Gbps SFP 4-Slot
	SFC6200A	1Gbps TP 24-Port	-	1Gbps SFP 24-Slot + 10Gbps SFP 6-Slot
	SFC6200AT	1Gbps TP 48-Port	-	10Gbps SFP 6-Slot
	SFC6810	1Gbps TP 8-Port	-	1Gbps SFP 2-Slot



Model		SFC6100T	SFC6100A	SFC6100HP
Port	TP Port	24 TP(1Gbps)	8 TP(1Gbps) Combo	24 TP(1Gbps)
	1G Fiber Port	4 SFP(1Gbps)	24 SFP(1Gbps) + 4 SFP(10Gbps)	-
	10G Fiber Port	4 SFP(1G/10G)	4 SFP(1G/10G)	4 SFP(1G/10G)
PoE	PoE Port	-	-	24 PoE(802.3af/at)
	PoE Capacity	-	-	PoE Max. 370W
Performance	Switch Fabric	128Gbps	128Gbps	128Gbps
	Throughput	95.2Mpps	95.2Mpps	95.2Mpps
	RAM/Flash Memory	128MB/32MB	256MB/32MB	128MB/32MB
	MAC Table	16K	16K	16K
	Jumbo Frame	9K	9K	9K
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	DC 12 ~ 55V
	No-load/Max. Power	AC 22W/ AC 35W	AC 20W/ AC 38W	30W/ AC 400W
	Dual Power	-	-	-
Operating Environment	Operating Temperature	-20 ~ 65℃	0 ~ 50℃	0 ~ 50℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimension(WxDxH)	440x180x44 (mm)	440x280x44 (mm)	440x280x44 (mm)



Coming
Soon



Model		SFC6200A	SFC6200AT	SFC6810
Port	TP Port	24 TP(1Gbps)	48 TP(1Gbps)	8 TP(1Gbps)
	1G Fiber Port	24 SFP(1Gbps)	-	2 SFP(1Gbps)
	10G Fiber Port	8 SFP(1G/10G)	8 SFP(1G/10G)	-
PoE	PoE Port	-	-	-
	PoE Capacity	-	-	-
Performance	Switch Fabric	216Gbps	216Gbps	56Gbps
	Throughput	130.9Mpps	130.9Mpps	15Mpps
	RAM/Flash Memory	512MB/32MB	512MB/32MB	128MB/16MB
	MAC Table	32K	32K	8K
	Jumbo Frame	9K	9K	9K
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	DC 12 ~ 55V
	No-load/Max. Power	53W/ 78W	33W/ 64W	12W/ 18W
	Dual Power	Option	Option	O
Operating Environment	Operating Temperature	0 ~ 50℃	0 ~ 50℃	-40 ~ 80℃
	Installation Method	Rack Mount	Rack Mount	Din-Rail Mount
	Dimension(WxDxH)	440x351x45 (mm)	443x330x45 (mm)	165x130x65 (mm)

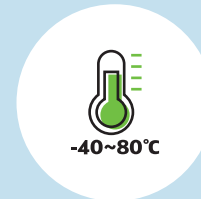
SFC8000 series Industrial Ethernet Switch



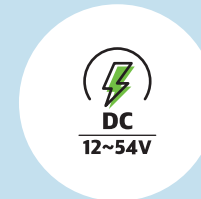
SFC8000series is a managed Industrial Ethernet Switch, designed as industrial grade supporting wide operating temperature, fan-less, dual power, and S-RING function ensuring high reliability to be used in sites requiring improved reliability such as industrial sites, local government CCTV network. The switch with additional BYPASS function is used for sites requiring higher reliability such as road construction.



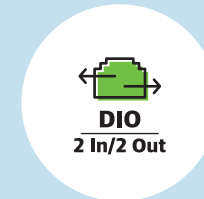
Recovery Time
10ms S-Ring Protocol



Industrial Switch
Operating Temperature



Dual Power



SNMP, Syslog, Digital I/O
Interworking

Reliability/Interoperability

- ▷ SOLTECH Ring Protocol Recovery Time 10ms
- ▷ G.8032 ERPS standard support (50ms)
- ▷ Dual OS support
- ▷ Fast Boot support

Industrial Ethernet Switch

- ▷ Operating Temperature : -40 ~ 80℃
- ▷ Dual Power
- ▷ DC power reverse polarity protection
- ▷ S-RING(Recovery Time < 10ms) support
- ▷ BYPASS Function option

SCAN MANAGER, NMS Support

- ▷ Free IP Scan/setup program with S-RING status check
- ▷ SNMPv2/v3, Syslog, NTPv4
- ▷ Web/Telnet/SSH/Console
- ▷ Digital In/Sysm/Port to SNMP/Syslog /Digital Out interworking

	Model	TP Port	PoE Port	SFP Port	Operating Temperature	S-Ring	Dual Power	Remarks
Ordering Information	SFC8000	1Gbps TP 8-Port	-	1G/2.5Gbps SFP 2-Slot	-40 ~ 80℃	O	O	-
	SFC8000HP	-	1Gbps PoE 8-Port, PoE 240W	1G/2.5Gbps SFP 2-Slot	-40 ~ 80℃	O	O	-
	SFC8000G	1Gbps TP 8-Port	-	1Gbps SFP 2-Slot + 1G/2.5Gbps SFP 2-Slot	-40 ~ 80℃	O	O	-
	SFC8000GHP	-	1Gbps PoE 8-Port, PoE 240W	1Gbps SFP 2-Slot + 1G/2.5Gbps SFP 2-Slot	-40 ~ 80℃	O	O	-
	SFC8000BP	1Gbps TP 8-Port	-	1Gbps SFP 2-Slot + 1G/2.5Gbps SFP 2-Slot	-40 ~ 80℃	O	O	BYPASS support
	SFC8000S	1Gbps TP 4-Port	-	1G/2.5Gbps SFP 2-Slot	-40 ~ 80℃	O	O	-
	SFC8000G-1U	SFC8000G 19" Chassis System, 1U Size, 2-Slot			0 ~ 60℃	-	O	-
	SFC8000G-4U	SFC8000G 19" Chassis System, 4U Size, 8-Slot			0 ~ 60℃	-	O	-



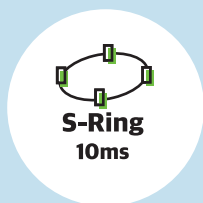
Model		SFC8000	SFC8000HP	SFC8000G	SFC8000GHP
Port	TP Port	8 TP(1Gbps)	8 TP(1Gbps)	8 TP(1Gbps)	8 TP(1Gbps)
	1G Fiber Port	-	-	2 SFP(1Gbps)	2 SFP(1Gbps)
	2.5G Fiber Port	2 SFP(1G/2.5G)	2 SFP(1G/2.5G)	2 SFP(1G/2.5G)	2 SFP(1G/2.5G)
	BYPASS Port	-	-	-	-
PoE	PoE Port	-	8 PoE(af/at)	-	8 PoE(af/at)
	PoE Capacity	-	PoE Max. 240W	-	PoE Max. 240W
Performance	Switch Fabric	26Gbps		30Gbps	
	Throughput	19.3Mpps		22.3Mpps	
	RAM/Flash Memory	128MB/16MB		128MB/16MB	
	MAC Table	8K		8K	
	Jumbo Frame	9.6K		9.6K	
Power	Input Power	DC 12 ~ 56V		DC 12 ~ 56V	
	No-load/Max. Power	AC 5W/ AC 10.6W		AC 5W/ AC 12.3W	
	Dual Power	O		O	
Operating Environment	Operating Temperature	-40 ~ 80°C		-40 ~ 80°C	
	Installation Method	Wall or Din-Rail Mount		Wall or Din-Rail Mount	
	Dimension(WxDxH)	62x111x158 (mm)		151x154x44 (mm)	



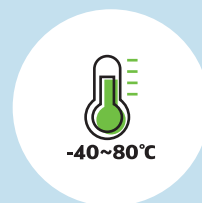
Model		SFC8000BP	SFC8000S	SFC8000G-1U	SFC8000G-4U
Port	TP Port	8 TP(1Gbps)	4 TP(1Gbps)	SFC8000G 19" Chassis System 1U Size Switch 2-Slot Switch Option	SFC8000G 19" Chassis System 4U Size Switch 8-Slot Switch Option
	1G Fiber Port	2 SFP(1Gbps)	-		
	2.5G Fiber Port	2 SFP(1G/2.5G)	2 SFP(1G/2.5G)		
	BYPASS Port	O	-		
PoE	PoE Port	-	-		
	PoE Capacity	-	-		
Performance	Switch Fabric	30Gbps	18Gbps		
	Throughput	22.3Mpps	13.3Mpps		
	RAM/Flash Memory	128MB/16MB	128MB/16MB		
	MAC Table	8K	8K		
	Jumbo Frame	9.6K	9.6K		
Power	Input Power	AC 100 ~ 240V	DC 12 ~ 56V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load/Max. Power	AC 5.7W/ AC 12.5W	AC 4W/ AC 7.6W	AC 3W/ AC 30.7W	AC 5W/ AC 120W
	Dual Power	O	O	O	O
Operating Environment	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Wall or Din-Rail Mount	Rack Mount	Rack Mount
	Dimension(WxDxH)	266x184x88 (mm)	41x106x112 (mm)	417x226x45 (mm)	444x256x174 (mm)

SFC8100 series

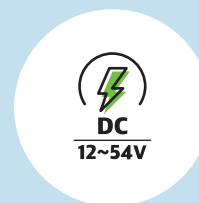
SFC8100 series is a managed 10G Industrial Ethernet Switch designed to have industrial grade performance such as wide operating temperature, fan-less, dual power, and S-RING support to ensure high reliability for industrial sites and CCTV private network implementation. It can also support PoE++ 90Watt and 10Gbps Port for required power and bandwidth when configuring WIFI-6 Network.



Recovery Time
10ms S-Ring Protocol



Industrial Switch
Operating Temperature



Dual Power



PoE++
90Watt

Reliability/Interoperability

- ▷ SOLTECH Ring Protocol
- ▷ G.8032 ERPS standard support (50ms)
- ▷ Dual OS support
- ▷ Fast Boot support
- ▷ WIFI-6 can be supported with PoE++ 90Watt and 10Gbps function

Industrial Ethernet Switch

- ▷ Operating Temperature : -40 ~ 80°C
- ▷ Dual Power
- ▷ DC power reverse polarity protection
- ▷ S-RING(Recovery Time < 10ms)
- ▷ BYPASS Function option

SCAN MANAGER, Support

- ▷ Free IP Scan/setup program with S-RING status check
- ▷ SNMPv2/v3, Syslog, NTPv4
- ▷ Web/Telnet/SSH/Console
- ▷ Digital In/System/Port to SNMP/Syslog /Digital Out interworking

	Model	TP Port	PoE Port	SFP Port	Operating Temperature	S-Ring	Dual Power	Index
Ordering Information	SFC8100G	1Gbps TP 4-Port	-	10Gbps SFP 4-Slot	-40 ~ 80°C	O	O	-
	SFC8100	1Gbps TP 8-Port	-	10Gbps SFP 4-Slot	-40 ~ 80°C	O	O	-
	SFC8100BP	1Gbps TP 8-Port	-	10Gbps SFP 4-Slot	-40 ~ 80°C	O	O	BYPASS support
	SFC8100BT	-	4 PoE(at) + 4 PoE(bt), PoE 240W	10Gbps SFP 4-Slot	To be updated	O	O	-
	SFC8100BT-BP	-	4 PoE(at) + 4 PoE(bt), PoE 240W	10Gbps SFP 4-Slot	To be updated	O	O	BYPASS support



Model		SFC8100	SFC8100BP	SFC8100BT	SFC8100BT-BP
Port	TP Port	8 TP(1Gbps)	8 TP(1Gbps)	-	-
	1G Fiber Port	-	-	-	-
	10G Fiber Port	4 SFP(10Gbps)	4 SFP(10Gbps)	4 SFP(10Gbps)	4 SFP(10Gbps)
	BYPASS Port	-	0	-	0
	PoE Port	-			
Performance	Switch Fabric	96Gbps			
	Throughput	71.4Mpps			
	RAM/Flash Memory	256MB/32MB			
	MAC Table	32K			
	Jumbo Frame	9.6K			
Power	Input Power	DC 12 ~ 56V		DC 56V	
	No-load/Max. Power	To be updated	To be updated	To be updated	To be updated
	Dual Power	0	0	0	0
Operating Environment	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	To be updated	To be updated
	Installation Method	Wall or Din-Rail Mount	Wall or Din-Rail Mount	Wall or Din-Rail Mount	Wall or Din-Rail Mount
	Dimension(WxDxH)	To be updated	To be updated	To be updated	To be updated



Model		SFC8100G	SFC8000G-1U	SFC8000G-4U
Port	TP Port	4 TP(1Gbps)	SFC8000G 19" Chassis System 1U Size Switch 2-Slot Switch Option	SFC8000G 19" Chassis System 4U Size Switch 8-Slot Switch Option
	1G Fiber Port	-		
	10G Fiber Port	4 SFP(10Gbps)		
	BYPASS Port	-		
	PoE Port	-		
Performance	Switch Fabric	88Gbps		
	Throughput	65.4Mpps		
	RAM/Flash Memory	256MB/32MB		
	MAC Table	32K		
	Jumbo Frame	9.6K		
Power	Input Power	DC 12 ~ 56V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load/Max. Power	AC 10.5W/ AC 24W	-	-
	Dual Power	0	0	0
Operating Environment	Operating Temperature	-40 ~ 80℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Wall or Din-Rail Mount	Rack Mount	Rack Mount
	Dimension(WxDxH)	To be updated	417x226x45 (mm)	444x256x174 (mm)

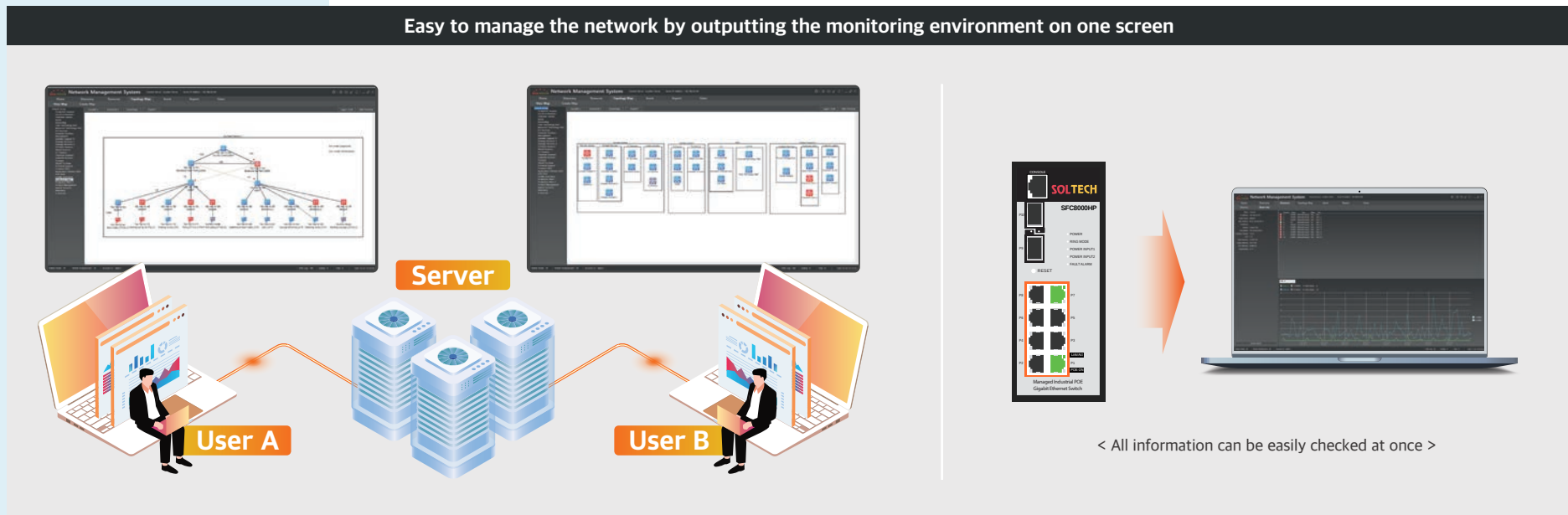
Network Infrastructure Management and Surveillance Solution

A single monitoring and collection server that supports an independent control environment for each user, and real-time network monitoring and control provides quick problem identification, user-centered convenience, and intuitive operation environment when any situation occurs.

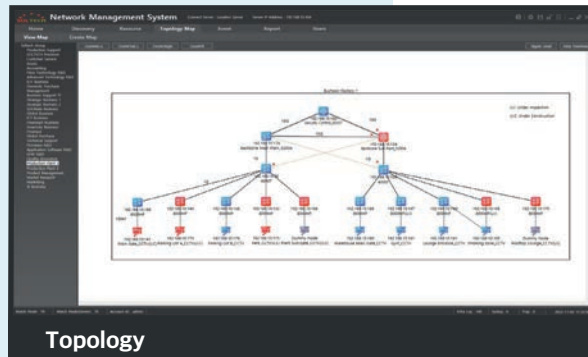


The new paradigm of Network Management and Surveillance

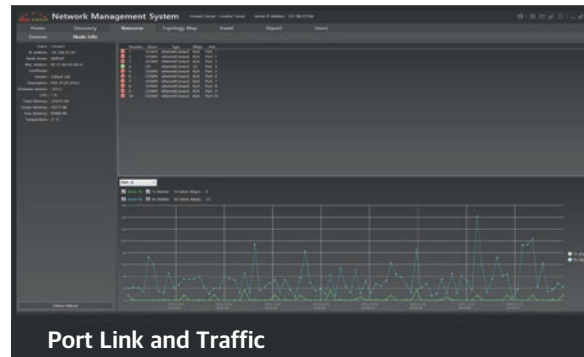
Easy to manage the network by outputting the monitoring environment on one screen



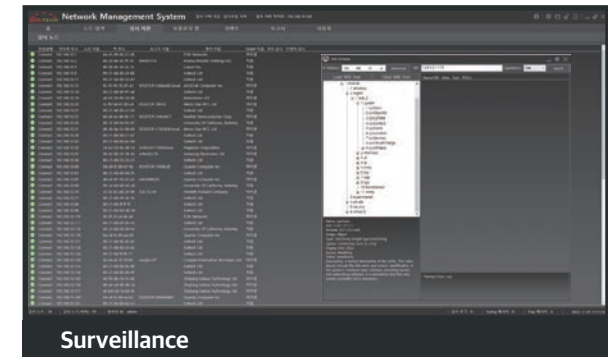
< All information can be easily checked at once >



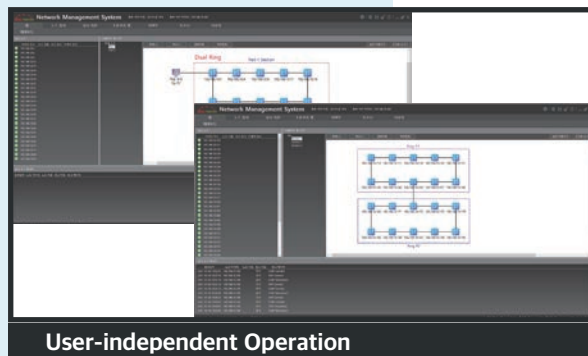
- Production of network configuration diagram
- Configuration diagram of integrated and layered network
- Visible shape change for infrastructure status
- Icon and drawing object support for network infrastructure display



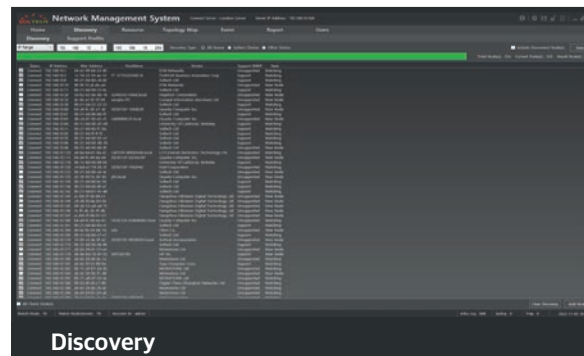
- Support port link status real-time monitoring
- User notification of port link status change
- Real-time collection of TX / RX Bandwidth in port unit
- Separation expression by monitoring period



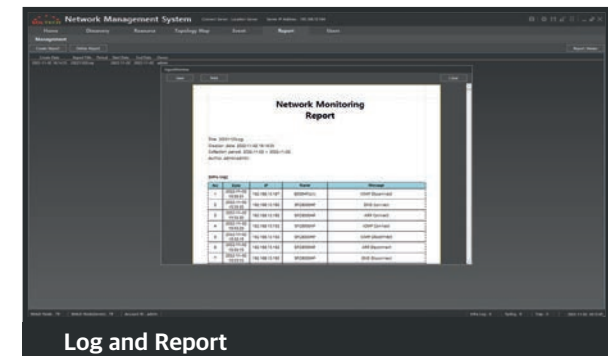
- ICMP, SNMP (v1, v2c, v3), ARP, DNS protocol support
- Node monitoring period, response waiting time, retry environment setting
- Provides visual representation of node and port monitoring status
- Provides SNMP MIB Browser



- Provides a separated control environment for each user in one server
- Independent node monitoring and topology operation
- Individual control operating environment Save / Loading / Import / Export function support
- Mutual separation of monitoring and control infrastructure for each user



- Node search by IP area and single IP
- First-party and third-party node search options
- Manufacturer display for searched node
- Search profile by IP area and filter



- Collecting infrastructure monitoring logs and system operation logs
- Separation of log categories by situation (monitoring, syslog, trap, operation)
- Syslog and SNMP Trap support
- Database-based report creation support and PDF output

NETWORK PRODUCT

Unmanaged PoE Ethernet Switch

SFC500 series

Long Reach PoE series

PoE Injector, Extender series

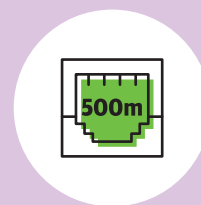
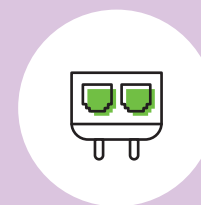
SFC500series is an Unmanaged PoE Switch that transports data and power supply through UTP cable at the same time, allowing the connection of equipment such as CCTV and AP without separate power construction. The SFC510LRP product is capable of long-distance transmission that extend the communication distance by 500m.



Power Over Ethernet



PoE++ 90Watt

Long Distance
Transmission PoE

PoE Injector

PoE Switch - Made in Korea

- ▷ Korean made PoE Switch
- ▷ 5 Port, 8 Port, 16 Port, 24 Port
- ▷ PoE 802.3 af/at
- ▷ 100~240VAC Input Power

Long Reach PoE

- ▷ SFC510LRP: Long Distance Transmission PoE Switch
- ▷ SFC503: Long Distance Transmission PoE Extender
- ▷ UTP Transmission Distance 500m
- ▷ SFC501LRP ↔ SFC503 ↔ SFC503
↔ SFC503 : 1.5km Distance Transmission

PoE Injector, Extender

- ▷ 1 Port PoE support Injector
- ▷ PoE Max. 60Watt
- ▷ Transmission Distance 100m
- ▷ 220VAC Power Built-in
- ▷ Overcurrent Protection circuit built-in

	Model	TP Port	PoE Port	SFP Port	Remarks
Ordering Information	SFC505GHP	1Gbps TP 5-Port	1Gbps PoE 4-Port, PoE 60W	-	-
	SFC510HP	1Gbps TP 10-Port	1Gbps PoE 8-Port, PoE 125W	-	-
	SFC516HP	1Gbps TP 16-Port	1Gbps PoE 16-Port, PoE 260W	1G SFP 2-Slot	-
	SFC524HP	1Gbps TP 24-Port	1Gbps PoE 24-Port, PoE 380W	1G SFP 2-Slot	-
	SFC510LRP	100Mbps 8-Port + 1Gbps 1-Port	100Mbps PoE 8-Port, PoE 125W	1G SFP 1-Slot	Long Reach PoE Switch
	SFC503	100Mbps TP 2-Port	100Mbps PoE 1-Port, PoE 23W	-	Long Reach PoE Extender
	SFC502	100Mbps TP 2-Port	100Mbps PoE 1-Port, PoE 15W	-	PoE Extender
	SFC501G	1Gbps TP 2-Port	1Gbps PoE 1-Port, PoE 60W	-	PoE Injector
	SFC501BT	1/2.5/5/10Gbps TP 2-Port	1/2.5/5/10Gbps PoE 1-Port, PoE 90W	-	PoE Injector



Model		SFC505GHP	SFC510HP	SFC516HP	SFC524HP
Port	TP Port	5 TP(1Gbps)	10 TP(1Gbps)	16 TP(1Gbps)	24 TP(1Gbps)
	Fiber Port	-	-	2 SFP(1Gbps)	2 SFP(1Gbps)
PoE	PoE Port	4 PoE(af/at)	8 PoE(af/at)	16 PoE(af/at)	24 PoE(af/at)
	PoE Capacity	PoE Max. 60W	PoE Max. 125W	PoE Max. 260W	PoE Max. 380W
Performance	Switch Fabric	10Gbps	20Gbps	36Gbps	52Gbps
	Throughput	7.44Mpps	14.8Mpps	26Mpps	38.6Mpps
	MAC Table	2K	4K	8K	8K
	Jumbo Frame	9K	9K	9K	9K
Power	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load	AC 1.5W	AC 7.1W	AC 20W	AC 27W
	Maximum	AC 63.5W	AC 128.8W	AC 270.2W	AC 391W
	Dual Power	-	-	-	-
Operating Environment	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Dimension(WxDxH)	185.5x123x44 (mm)	280x180x44 (mm)	440x205x44 (mm)	440x207x45 (mm)

Long Reach PoE



Model		SFC510LRP	SFC503	SFC502	SFC501G	SFC501BT
Port	TP Port	8 TP(10Mbps) + 1TP(1Gbps)	2 TP(100Mbps)	2 TP(100Mbps)	2 TP(1Gbps)	2 TP(1/2.5/5/10Gbps)
	Fiber Port	1 SFP(1Gbps)	-	-	-	-
PoE	PoE Port	8 PoE(af/at)	1 PoE(af/at)	1 PoE(af/at)	1 PoE(af/at)	1 PoE(af/at)
	PoE Capacity	PoE Max. 125W	PoE Max. 23W	PoE Max. 15W	PoE Max. 60W	PoE Max. 90W
Performance	Switch Fabric	5.6Gbps	-	-	-	-
	Throughput	4.16Mpps	-	-	-	-
	MAC Table	8K	-	-	-	-
	Jumbo Frame	9K	-	-	-	-
Power	Input Power	AC 100 ~ 240V	PoE PD, DC 56V	DC 48 ~ 56V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load	AC 2.5W	AC 2W	AC 2W	AC 0.15W	AC 1.6W
	Maximum	AC 127.4W	AC 39W	AC 18W	AC 67.5W	AC 101W
	Dual Power	-	-	-	-	-
Operating Environment	Operating Temperature	0 ~ 60℃	0 ~ 50℃	0 ~ 50℃	0 ~ 40℃	-10 ~ 40℃
	Installation Method	Rack Mount	Wall Mount	Wall Mount	-	-
	Dimension(WxDxH)	280x191x44 (mm)	87x97x26 (mm)	68x89x25 (mm)	63x139x32 (mm)	62.5x138.5x32 (mm)

Industrial Ethernet Switch



- ▷ Operating Temperature : -40 ~ 80°C
- ▷ 100Mbps TP Port + 100Mbps Fiber Port
- ▷ Multi-mode 2km, Single-mode 20km
- ▷ Compact size
- ▷ Industrial environment installation (DIN-Rail)
- ▷ DC12~48V(Terminal Block) and Adapter Power

Ordering Information

SFC300-SFP(SFP Slot), SFC300-GS(SFP Slot), SFC300-T, SFC300-SCM, SFC300-SCM2, SFC300-SCS, SFC300-SCS2, SFC310C(Industrial Optical Converter)

Serial Optical Converter

**SFC100-232/485**

- ▷ RS232 + RS485/ 422 + 100Mbps SFP 1-Slot

SFC100-485SFP

- ▷ RS485/422 +100Mbps SFP 1-Slot

SFC100-Ring

- ▷ RS232 + RS485/ 422 + 100Mbps SFP 2-Slot

Video Optical Converter

**SFC1150-1V1D**

- ▷ AHD VIDEO 1-Port + Fiber 1-Port + RS485/422 1 Channel

SFC1150-1V1D2A2C

- ▷ AHD VIDEO 1-Port + Fiber 1-Port + Data2Audio2CC

SFC1100-1U

- ▷ 19" RACK 1U Size 4-Slot Chassis

Gigabit Optical Switch

**SOL2600**

- ▷ 10/100/1000Mbps 24Ports + 1000Mbps SFP 2Slots
- ▷ 16K MAC Address
- ▷ Full-duplex mode IEEE802.3x flow control
- ▷ 9216 bytes jumbo frame packet wire transmission
- ▷ Provide Diagnostic LED Indications
- ▷ Auto MDI-X TP Port and Auto-Negotiation
- ▷ Internal Power Supply
- ▷ 19" RACK Type

Unmanaged Ethernet Switch



Ordering Information

SFC400-SCS, SFC400-SCS2, SFC400-SCS4, SFC400-SCS6, SFC400-SCM, SFC400-SCM2, SFC400-SCM4, SFC400-SCM6, SFC300-G(Gigabit Switch), SFC2600(Gigabit Switch)

- ▷ 100Mbps Fiber Port Switch
- ▷ Fiber 1-Port, 2-Port, 4-Port, 6Port
- ▷ Single-mode - 20km, Multi-mode - 2km
- ▷ 220VAC Power supply

HD Video Optical Converter

**SFC1200-1V1D-HD**

- ▷ HD-SDI 1-Port + RS485/422 + Fiber 1-Port(ST)

SFC1200-4V-HD

- ▷ HD-SDI 4-Port + Fiber 1-Port(ST)

SFC1200-4V1D1A-HD

- ▷ HD-SDI 4-Port + Audio + RS232/485 + Fiber 1-Port

100Mbps Optical Converter



- ▷ 100Mbps TP 1-Port + 100Mbps Fiber 1-Port
- ▷ Multi-mode Transmission Distance 2km, 1310nm
- ▷ Single-mode Transmission Distance 20km, 1310nm
- ▷ Long Distance Model: 40~100km, 1550nm
- ▷ Chassis type: SFC200-SCM/M, SFC200-SCS/M
- ▷ Power Built-in: SFC200-SCM/I, SFC200-SCS/I

Ordering Information

SFC200-SCM(Multi-mode), SFC200-SCS(Single-mode), SFC200-SCM/M, SFC200-SCS/M, SFC200-SCM/I, SFC200-SCS/I, Optical Converter 사기: SFC-CENTER/12D, SFC-CENTER/16D

1Gbps Optical Converter



- ▷ 1Gbps TP 1-Port + 1Gbps SFP 1-Slot
- ▷ Multi-mode Transmission Distance 220m, 850nm
- ▷ Single-mode Transmission Distance 20km, 1310nm
- ▷ SFP model: SFC200-SFP
- ▷ Multi to Single model: SFC200-SL/SFP

Ordering Information

SFC2000-TS(Multi-mode), SFC2000-TL(Single-mode), SFC2000-SFP(SFP Slot type), SFC2000-SL/SFP(Multi to Single), SFC2000-HP(PoE support Optical Converter), SFC2000MF

EOC Coaxial Transmission Converter



- ▷ Coaxial cable Transmission Device
- ▷ 100Mbps TP Port + 100Mbps BNC Port
- ▷ Coaxial PoE Transmission Distance 2km
- ▷ PoE 23W
- ▷ Coaxial Transmission Switch: SFC320S

Ordering Information

SFC320C, SFC320CP(BNC 8-Port + TP 2-Port + SFP 2-Slot), SFC320PM, SFC320PS(PoE Transmission Distance 2km, PoE 23W), SFC320S(100Mbps TP 4-Port + 100Mbps BNC 1-Port)

HD1080 Video Extender



- ▷ HD1080P VIDEO 1-Port + 100Mbps TP 1-Port
- ▷ HD1080P Transmission through Ethernet/fiber
- ▷ Fiber Port : 100Mbps, SC, 20km
- ▷ PoE PD support
- ▷ USB(KVM) support

Ordering Information

SFC1200-HDT(HD VIDEO 1-Port + 100Mbps TP 1-Port), SFC1200-HDF(HD VIDEO 1-Port + 100Mbps Fiber 1-Port), SFC1200-HDFT(HD VIDEO 1-Port + TP 1-Port + SFP 1Slot + USB), SFC1200-HDFT0(PoE 802.3af PoE PD support)

2000k Resolution CCTV IP Camera
5000k Resolution CCTV IP Camera
4CH, 8CH, 16CH NVR

By using 2000k, 5000k Resolution Network Management Camera, and 4 Channel~16 Channel NVR products required for building video security system and with image correction technology such as WDR, DNR and the product design such as IP67 and IK10, SOLTECH support the establishment of excellent quality and economical systems in various environments such as apartment, campus, shop CCTV network.



Digital Backlight Compensation



Noise Reduction



Night Record



Waterproof /Dustproof



Shock Protection



Video Compression



Micro SD

	Model	Resolution	Frame	Lens	Low Luminance	IR Range	Index
Ordering Information	FM-2002DP	2000k Resolution	1920 x 1080@30fps	2.8mm Fixed Lens	0.01Lux@F2.0	30m	IP67, IK10, EXIR 2.0
	FM-2004DP	2000k Resolution	1920 x 1080@30fps	4.0mm Fixed Lens	0.01Lux@F2.0	30m	IP67, IK10, EXIR 2.0
	FM-2002BP	2000k Resolution	1920 x 1080@30fps	2.8mm Fixed Lens	0.01Lux@F1.2	30m	IP67
	FM-2004BP	2000k Resolution	1920 x 1080@30fps	4.0mm Fixed Lens	0.01Lux@F1.2	30m	IP67
	FM-5002DP	5000k Resolution	2560x1920p@20fps	2.8mm Fixed Lens	0.01Lux@F2.0	30m	IP67, IK10, EXIR 2.0
	FM-5004DP	5000k Resolution	2560x1920p@20fps	4.0mm Fixed Lens	0.01Lux@F2.0	30m	IP67, IK10, EXIR 2.0
	FM-5002BP	5000k Resolution	2560x1920p@20fps	2.8mm Fixed Lens	0.01Lux@F2.0	30m	IP67, EXIR 2.0
	FM-5004BP	5000k Resolution	2560x1920p@20fps	4.0mm Fixed Lens	0.01Lux@F2.0	30m	IP67, EXIR 2.0
	FM-2002DP-AI	5000k Resolution	1920 x 1080@30fps	2.8mm Fixed Lens	0.005Lux@F1.6	30m	IP67, IK10, microSD
	FM-2004DP-AI	2000k Resolution	1920 x 1080@30fps	4.0mm Fixed Lens	0.005Lux@F1.6	30m	IP67, IK10, microSD
	FM-2002BP-AI	2000k Resolution	1920 x 1080@30fps	2.8mm Fixed Lens	0.005Lux@F1.6	40m	IP67, microSD
	FM-2004BP-AI	2000k Resolution	1920 x 1080@30fps	4.0mm Fixed Lens	0.005Lux@F1.6	40m	IP67, microSD
	NVR	No. of Channel	Video Compression		HDD Capacity	PoE Power	Index
	FM-NVR4P	4 Channel	H.265+/H.265/H.264+/H.264		Max. 8TB	50W	IEEE 802.3 af/at
	FM-NVP8P	8 Channel	H.265+/H.265/H.264+/H.264		Max. 10TB	120W	IEEE 802.3 af/at
	FM-NVR16P	16 Channel	H.265+/H.265/H.264+/H.264		Max. 10TB	200W	IEEE 802.3 af/at
	FM-NVR16	16 Channel	H.265+/H.265/H.264+/H.264		Max. 10TB	-	-



Model		FM-2002DP	FM-2004DP	FM-2002BP	FM-2004BP	FM-5002DP	FM-5004DP	FM-5002BP	FM-5004BP
Camera	Image Sensor	1/2.7" 2M Progressive CMOS		1/2.8" 2M Progressive CMOS		1/2.7" 5M Progressive CMOS		1/2.7" 5M Progressive CMOS	
	Effective Resolution	1920 x 1080		1920 x 1080		2560 x 1920		2560 x 1920	
	Minimum Illumination	Color: 0.01 Lux @(F2.0, AGC ON)		Color: 0.01 Lux @(F1.2, AGC ON)		Color: 0.01 Lux @(F2.0, AGC ON)		Color: 0.01 Lux @(F2.0, AGC ON)	
	Infrared Reach	30m		30m		30m		30m	
	Lens Type	Fixed Lens		Fixed Lens		Fixed Lens		Fixed Lens	
	Focal Length	2.8mm	4.0mm	2.8mm	4.0mm	2.8mm	4.0mm	2.8mm	4.0mm
	Angle of View	H:112.1°, V:60.0°	H:90.2°, V:48.6°	H:114.8°, V:62°	H:86°, V:46.5°	H:98.0°, V:71.7°	H:75.3°, V:55.5°	H:98.0°, V:71.7°	H:75.3°, V:55.5°
	Maximum Aperture	F2.0		F2.0		F2.0		F2.0	
Video	Video Compression	H.265/H.264/H.264+/H.265+/MJPEG		H.265/H.264/H.264+/H.265+/MJPEG		H.265/H.264/H.264+/H.265+/MJPEG		H.265/H.264/H.264+/H.265+/MJPEG	
	Main Stream	1920x1080(25/30fps)		1920x1080(25/30fps)		2560x1920(20fps)		2560x1920(20fps)	
	Sub Stream	640x480(25/30fps)		640x480(25/30fps)		1280x720(25/30fps)		1280x720(25/30fps)	
	Bit Rate	32Kbps to 8Mbps		32Kbps to 8Mbps		32Kbps to 16Mbps		32Kbps to 16Mbps	
Image	Day/Night	Day, Night, Auto, Schedule		Day, Night, Auto, Schedule		Day, Night, Auto, Schedule		Day, Night, Auto, Schedule	
	Wide Dynamic Range	Digital WDR		Digital WDR		Digital WDR - 120dB		Digital WDR - 120dB	
	Image Enhancement	BLC, 3D DNR		BLC, 3D DNR		BLC, 3D DNR		BLC, 3D DNR	
Interface	Ethernet	100Mbps RJ45 1-Port		100Mbps RJ45 1-Port		100Mbps RJ45 1-Port		100Mbps RJ45 1-Port	
	Power-PoE	PoE: 802.3af, 36V to 57V, Max 6.5W		PoE: 802.3af, 36V to 57V, Max 4.5W		PoE: 802.3af, 36V to 57V,Max 6.5W		PoE: 802.3af, 36V to 57V,Max 6.5W	
	Power-Adapter	12VDC, 0.4A, Max. 5W		12VDC, 0.3A, Max. 3.5W		12VDC ±25%, 0.4A, max. 5W		12VDC ±25%, 0.4A, max. 5W	
	Dimension	Ø110mm×82.4mm		Ø70mm×172.7mm		Ø110.8mm×84.7mm		Ø70mm×172.7mm	



Model		FM-2002DP-AI	FM-2004DP-AI	FM-2002BP-AI	FM-2004BP-AI	FM-NVR4P	FM-NVR8P
Camera	Image Sensor	1/2.8" 2M Progressive CMOS		1/2.8" 2M Progressive CMOS		IP Camera Input 4Channel, Up to 8 MP	IP Camera Input 8Channel, Up to 8 MP
	Effective Resolution	1920 x 1080		1920 x 1080		H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
	Minimum Illumination	Color: 0.005 Lux @(F1.6, AGC ON)		Color: 0.005 Lux @(F1.6, AGC ON)		1 SATA Interface, Max. 6TB/disc	2 SATA Interface, Max. 10TB/disc
	Infrared Reach	40m		40m		Network Bandwidth: Tx 40Mbps, Rx 80Mbps	Network Bandwidth : Tx 80Mbps, Rx 160Mbps
	Lens Type	Fixed Lens		Fixed Lens		IEEE 802.3 af/at	IEEE 802.3 af/at
	Focal Length	2.8mm	4.0mm	2.8mm	4.0mm	320 × 240 × 48mm	385 × 315 × 52mm
	Angle of View	H:107°, V:57°	H:87°, V:46°	H:107°, V:57°	H:87°, V:46°		
	Maximum Aperture	F1.6		F1.6			
Video	Video Compression	H.265/H.264/H.264+/H.265+/MJPEG		H.265/H.264/H.264+/H.265+/MJPEG			
	Main Stream	1920x1080(25/30fps)		1920x1080(25/30fps)			
	Sub Stream	640x480(25/30fps)		640x480(25/30fps)			
	Bit Rate	32Kbps to 8Mbps		32Kbps to 8Mbps			
Image	Day/Night	Day, Night, Auto, Schedule		Day, Night, Auto, Schedule		FM-NVR16P	FM-NVR16
	Wide Dynamic Range	WDR - 120dB		WDR - 120dB		IP Camera Input 16Channel, Up to 8 MP	IP Camera Input 16Channel, Up to 8 MP
	Image Enhancement	BLC, HLC, 3D DNR		BLC, HLC, 3D DNR		H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Interface	Ethernet	100Mbps RJ45 1-Port		100Mbps RJ45 1-Port		2 SATA Interface, Max. 10TB/disc	2 SATA Interface, Max. 10TB/disc
	Power-PoE	PoE: 802.3af, 36V to 57V, Max 7W		PoE: 802.3af, 36V to 57V, Max 7W		Network Bandwidth: Tx 160Mbps, Rx 160Mbps	Network Bandwidth: Tx 160Mbps, Rx 160Mbps
	Power-Adapter	12VDC, 0.5A, max. 6W		12VDC ±25%, 0.5A, max. 6W		IEEE 802.3 af/at	-
	Dimension	Ø110.8mm×84.7mm		Ø74.4mm×179.2mm		385 × 315 × 52 (mm)	385 × 315 × 52 (mm)



Model			Specification	Photo
SFP	100Mbps (155Mbps)	SFP-SM	Single-mode module, 100Mbps, 20km, 1310nm, LC connector	
		SFP-MM	Multi-mode module, 100Mbps, 2km, 1310nm, LC connector	
		SFP-SMWA	Single-mode WDM module, 100Mbps, 20km, 1550/1310nm, LC connector	
		SFP-SMWB	Single-mode WDM module, 100Mbps, 20km, 1310/1550nm, LC connector	
	1Gbps (1.25Gbps)	SFP-SX	Multi-mode module, 1Gbps, 220/550m, 850nm, LC connector	
		SFP-SX2	Multi-mode module, 1Gbps, 2km, 1310nm, LC connector	
		SFP-LX	Single-mode module, 1Gbps, 20km, 1310nm, LC connector	
		SFP-LXH	Single-mode module, Industrial, 1Gbps, 20km, 1310nm, LC connector	
		SFP-LXWA	Single-mode WDM module, 1Gbps, 20km, 1550/1310nm, LC connector	
		SFP-LXWB	Single-mode WDM module, 1Gbps, 20km, 1310/1550nm, LC connector	
	10Gbps (10.31Gbps)	SFP+10-SR	Multi-mode module, 10Gbps, 300m, 850nm, LC connector	
		SFP+10G-LR	Single-mode module, 10Gbps, 10km, 1310nm, LC connector	
	40G/100G	QSFP+40G-LR4	Single-mode module, 40Gbps, 10km, 1270~1330nm, LC connector	
		QSFP28-100G-LR4	Single-mode module, 100Gbps, 10km, 1310nm, LC connector	
FDF	Mini Type	FDF-M-SC-04P	Small , SC Adapter, 4-Port, 150(W)x123(D)x41(H)mm	
		FDF-M-SC-08P	Small , SC Adapter, 8-Port, 150(W)x123(D)x41(H)mm	
		FDF-M-SC-12P	Small , SC Adapter, 12-Port, (W)x(D)x(H)mm	
	Wall Type	FDF-W-SC-12P	Wall-mount , SC Adapter, 12-Port, 300(W)x300(D)x90(H)mm	
		FDF-W-SC-24P	Wall-mount , SC Adapter, 24-Port, 300(W)x300(D)x90(H)mm	
		FDF-W-SC-48P	Wall-mount , SC Adapter, 48-Port, 300(W)x300(D)x90(H)mm	
	Rack Type	FDF-R-SC-12P	Rack-mount , SC Adapter, 12-Port, 482.6(W)x311.2(D)x42.6(H)mm	
		FDF-R-SC-24P	Rack-mount , SC Adapter, 24-Port, 482.6(W)x311.2(D)x42.6(H)mm	
		FDF-R-SC-36P	Rack-mount , SC Adapter, 36-Port, 482.6(W)x311.2(D)x88.1(H)mm	
		FDF-R-LC-24P	Rack-mount , LC Adapter, 24-Port, 482.6(W)x311.2(D)x42.6(H)mm	
		FDF-R-LC-36P	Rack-mount , LC Adapter, 36-Port, 482.6(W)x311.2(D)x43.6(H)mm	
Fiber Cable	Jumper Cord	LC-LC-MM-2C-03M	Multi-mode 2Core Jumper cord, LC-LC connector	
		LC-LC-SM-2C-03M	Single-mode 2Core Jumper cord, LC-LC connector	
		LC-SC-SM-2C-03M	Single-mode 2Core Jumper cord, LC-SC connector	
		LC-ST-SM-2C-03M	Single-mode 2Core Jumper cord, LC-ST connector	
		SC-SC-MM-1C-03M	Multi-mode 1Core Jumper cord, SC-SC connector	
		SC-SC-SM-1C-03M	Single-mode 1Core Jumper cord, SC-SC connector	
		LC-SC-SM-1C-03M	Single-mode 1Core Jumper cord, LC-SC connector	
	Pigtail	PIGTAIL-SC-SM	Pigtail for splicing, Single-mode, SC connector	
		PIGTAIL-SC-MM	Pigtail for splicing, Multi-mode, SC connector	
		PIGTAIL-LC-SM	Pigtail for splicing, Single-mode, LC connector	
		PIGTAIL-LC-MM	Pigtail for splicing, Multi-mode, LC connector	

Soltech Precision NCT Case & Bracket Customization

✓ Various sheet metal
samples available

✓ Reduced delivery time
through batch production

✓ Small quantity
batch production

✓ Precision machining
through advanced facilities

CCTV Case



Wall-type Bracket



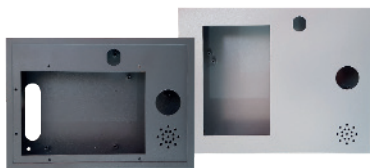
Option SFC300S, SFC300GS, SFC300POE, SFC300SFP,
SFC300T, SFC100-232/485, SFC100-RING,
SFC8000S

Industrial Switch 19" Bracket



Option SFC8000, SFC8000HP,
SFC8000GHP, SFC8000UHP
and other Din-rail installable products

Automatic Exit System



Wall-type Din-Rail Bracket



Basic SFC100-485, SFC100-232, SFC100-485SFP

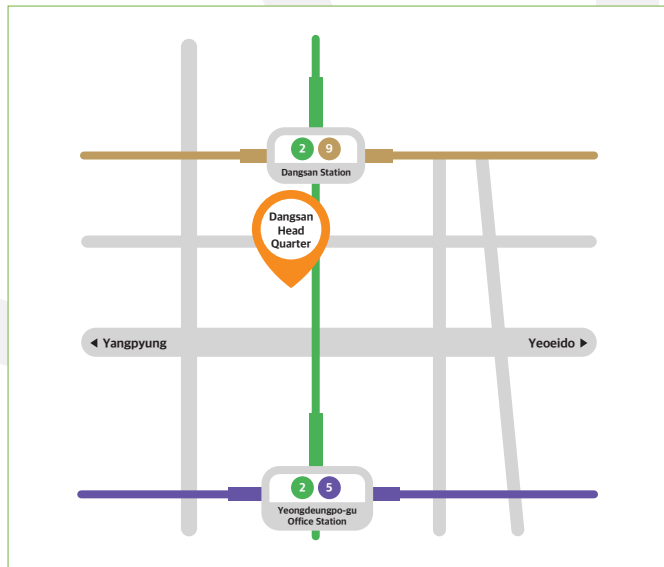
Option SFC200, SFC2000

Industrial Switch Wall-type Bracket

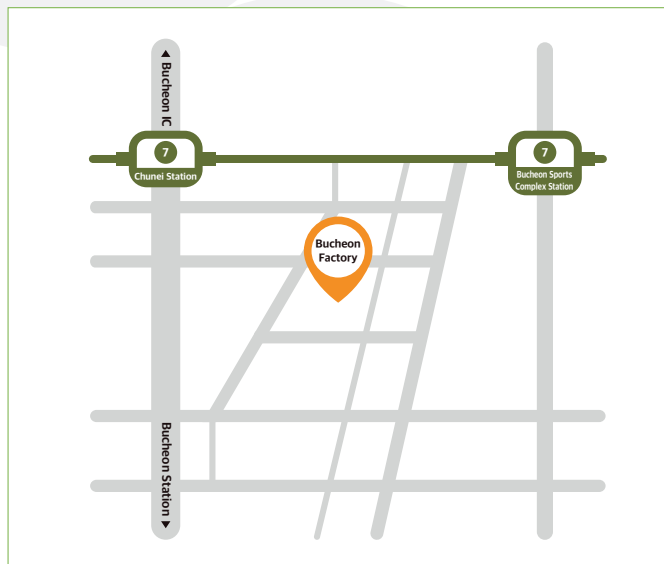


Option SFC8000

Head Quarter



Production Factory



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www.solmate.kr



FIBERMART
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