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SOLTECH Products 2026 **ENG**

Network Solution

Made in Korea

SOLTECH

Network Solution

Implementing innovative optical communication solutions that connect industries based on verified network infrastructure. From planning and design to construction, operation, and maintenance, we provide integrated optical Ethernet solutions optimized for various industrial environments.

CONTENTS

00	SOLTECH ONE NETWORK OS	4
	Customized Ethernet Communication Board	5
01	Security-Certified Series	6
	Military Border Communication Maintenance Solution	7
	Security-Certified Industrial 1G/2.5G Switch	8
	Security-Certified Industrial 10G Switch	11
	Security-Certified 1G Switch	14
	Security-Certified 10G Switch	16
02	Industrial PoE Series	18
	Golf Course CCTV Communication Solution	19
	Logistics Center Network Solution	20
	Industrial Managed PoE 1G/2.5G Switch	21
	Industrial Managed PoE 10G Switch	22
	Industrial Unmanaged PoE Switch	25
	Industrial PoE Bypass	26
03	Industrial Ethernet Series	27
	Smart City Railway Solution	28
	Factory Plant Communication Solution	29
	Industrial Managed 1G/2.5G Switch	30
	Industrial Managed 10G Switch	32
	Industrial Unmanaged 100M Switch	34
	Industrial 100M/1G Converter	36



04	PoE Series	37
	Daycare and Kindergarten Network Solution	38
	PoE Network Solution	39
	Managed PoE 1G Switch	40
	Managed PoE 10G Switch	41
	Entry-Level PoE 1G Switch	42
	Entry-Level Long-Range PoE Switch/Extender	43
	PoE Injector	44
05	Ethernet Series	47
	Airport CCTV Communication Solution	48
	Long-Reach PoE Solution	49
	Managed 1G Switch	50
	Managed 10G Switch	51
	1G Switch	53
	100M Switch	54
06	Media Converter	56
	100M Media Converter	57
	1G Media Converter	59
	Chassis-Type Media Converter	61
	Serial Media Converter	63
	HD Video (1080P) Extender	64
	Video Optical Link	65
	Coaxial Converter	67
07	SFP Optical Module	68
08	Bracket	68



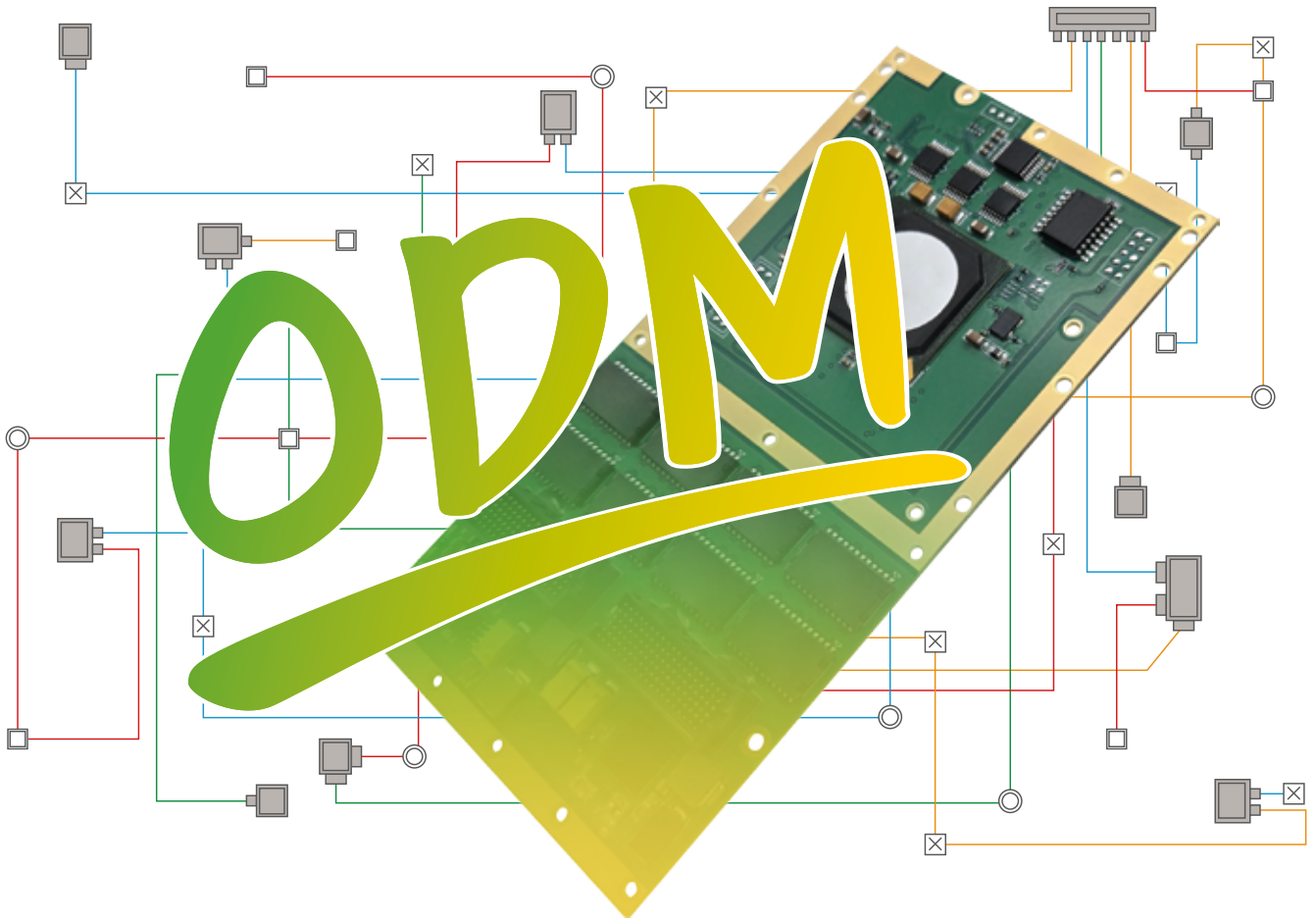
Outstanding Integration of Stability, Convenience, and Security

SONOS NOS Key Features		
Basic Advantages	Real Korean-Made Switch	Full localization of H/W and S/W (all Source-based) processes
	Fast Device Boot Time	Boot time - under 20 seconds
	Outstanding Device Stability	Manages and validates dozens of device types with single image (ONE-img)
	Stable Dual-Bank NOS	Maintains stable NOS during unexpected field incidents
	Safe Configuration Management, Dual-Bank Config	Stable configuration management and loss prevention (supports save, download, upload, select, delete)
Device Security	Enhanced Device Security Support	Blocks malicious code execution at source with high-security RTOS kernel
	Security Conformity/Vulnerability Support	Security Function Confirmation (NIS) certification completed, Security Vulnerability (KISA) guidelines applied
	Administrator Root Account ID Change Support	Root account ID change support via Web/CLI
	Unified Network Configuration with Soltech Security-Certified Devices	Enables unified network configuration and management with over 50 types of security-certified devices
Management Convenience	Device UX Unification	Maximizes device convenience during unified network configuration with integrated Web, CLI, SNMP, Korean/English manuals, etc.
	User-Friendly Web Design/Features	Provides highly refined web experience with login, device status/settings, UI design/features, etc.
	Device Type-Specific Web Theme	Applies web themes based on device type and security feature availability
	ScanManager: Switch Management PC Tool	Provides L2 communication-based Soltech device management tool (ScanManager)
	Batch NOS Management and Upgrade Support	Unified management with common ONE image instead of device-specific NOS
	Find My-Switch and Other Field LED Convenience Features	Identifies field device status and location through LED blinking
Advanced Features	SFP Full-Auto Feature Support	Supports automatic SFP port configuration without manual settings (default)
	Optical Line Status Monitoring Feature Support	Supports optical line status (Rx Power) monitoring using SFP DDMI (Web-graph, CLI, SNMP)
	PoE Convenience Features Support	Supports convenience features including PD Alive, PD Reset, PSE Detect, PD Power OFF Scheduler, etc.
	High PoE Terminal Compatibility	High PoE compatibility verified through Sifos (PoE meter)
	Fast Ring Protocol Switchover/Recovery	Supports Soltech S-Ring protocol and ERPS (G.8032) (recovery time under 30ms)
	Quick ERPS Support	Enables easy and fast configuration of complex ERPS (G.8032) settings through Quick ERPS
	Fast ODM (S/W) Device Response	Immediate provision of customized theme and verified NOS according to ODM manufacturer requests (Def. IP changeable)

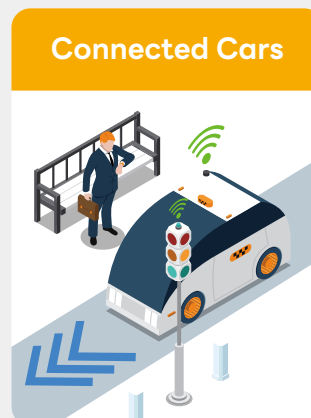
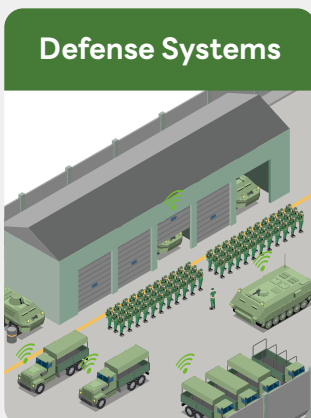
Custom Ethernet Communication Boards

Connecting the Core of Industry

SOLTECH INFONET provides high-reliability industrial network boards optimized for embedded system environments. From electronic circuit and mechanical design to firmware development, we support integrated OEM/ODM solutions tailored to customer systems.



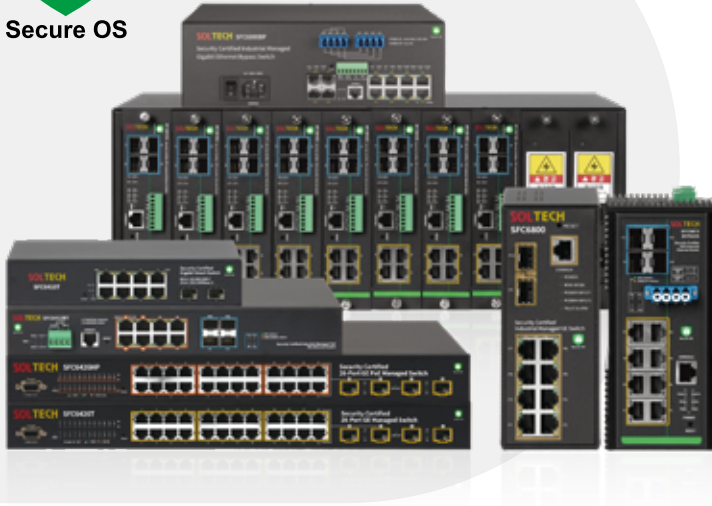
Application Areas



01 | Security-Certified Series



Secure OS



Network switches supplied to military and government/public institutions must obtain prior certification of 'Security Function Confirmation,' and products listed in the National Cyber Security Center's security conformity verification catalog are exempt from security conformity verification when procured by these institutions.

(Search for verified products: www.ncsc.go.kr)

Soltech has obtained Security Function Confirmation certifications for various Ethernet switch products and continues to pursue certification processes.

1 Device Security

- Security Function Confirmation (NIS) certification completed, Security Vulnerability (KISA) guidelines applied
- Unified network configuration with Soltech security-certified devices
- Blocks malicious code execution at source with RTOS kernel

2 PoE Power Supply Product Line

- IEEE 802.3af/at standard support (model name HP)
- IEEE 802.3af/at/bt standard support (model name BT)
- PoE port user priority setting feature support

3 Stability/Compatibility

- Soltech S-Ring protocol recovery time < 30ms
- Standard G.8032 ERPS support, compatibility secured < 30ms
- SNMPv2c, SNMPv3 support
- NMS, Syslog, NTP integration available

4 Industrial Managed Ethernet Switch

- Wide operating temperature range: Max. -40 ~ 80°C (varies by device)
- DC power reverse polarity protection circuit and dual power input support (SFC6810 series)
- DC power non-polarized input and dual power input support (SFC6800 series)
- BYPASS function additional option (2x2, 4x4)

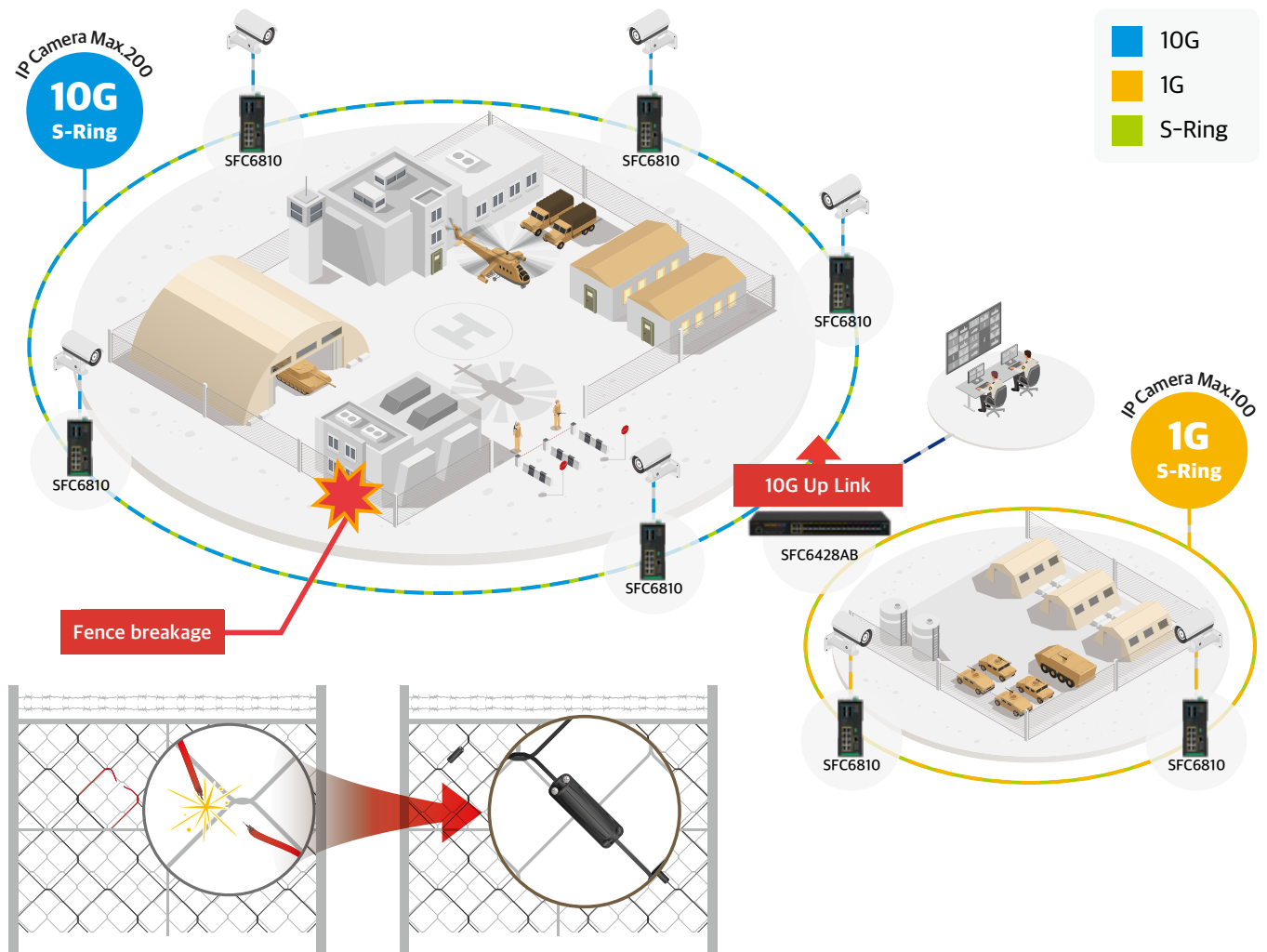
5 Convenient Management and Maintenance

- Soltech device search program ScanManager for MAC/IP/Model/Serial/S-Ring status verification
- Web, Console, Telnet, SSH, etc. support
- Dual-Bank NOS, Dual-Bank Config support

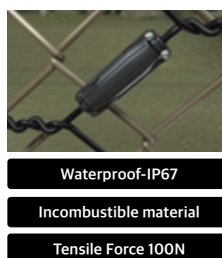
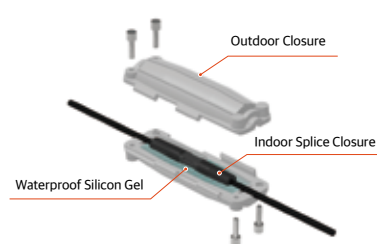
SOLTECH SOLUTION

Military Border Communication Maintenance Solution

The Military Border Communication Maintenance Solution applies security-certified switches to all configuration devices, providing a network solution that enables rapid and stable maintenance and recovery of optical communication infrastructure in military border areas.



SOL MATE OPTICAL FENCE Maintenance Solution



Waterproof-IP67
Incombustible material
Tensile Force 100N

Military border security solution that makes optical cables to be easily and quickly repaired maintained with the SOLMATE waterproof housing solution.

10G Network Solution

Security Compliant Industrial 10G Switch **SFC6810**



8 TP (10/100/1000Mbps) +
4 SFP+ (100M/1G/10Gbps),
Op. Temp -40 ~ 80°C

Security Compliant 10G Switch **SFC6428AB**



4 TP (10/100/1000Mbps) +
16 SFP (100M/1Gbps), 4 Combo (P1 ~ 4) +
8 SFP (100M/1G/2.5Gbps) +
4 SFP+ (100M/1G/10Gbps)

By combining the security-certified SFC6810 industrial switch supporting Dual S-Ring with the SFC6428AB-based 10G network, we ensure optimal communication stability without interruption even in long-distance border sections.

01

Security-Certified Series

Security Function Certification
Series, Industrial 1G/2.5G Switches



Model		SFC6800	SFC6800HP	SFC6800GHP
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)
	1G Fiber Port	-	-	2 SFP (100M/1Gbps)
	2.5G Fiber Port	2 SFP (100M/1G/2.5Gbps)	2 SFP (100M/1G/2.5Gbps)	2 SFP (100M/1G/2.5Gbps)
	10G Fiber Port	-	-	-
	Console	O	O	O
PoE	PoE Port	-	8 PoE (af/at)	8 PoE (af/at)
	PoE Budget	-	PoE Max. 240W	PoE Max. 240W
Performance	Switch Fabric	26Gbps	26Gbps	30Gbps
	Throughput	19.34Mpps	19.34Mpps	22.32Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB
	MAC Table	8K	8K	8K
	Jumbo Frame (byte)	9,600	9,600	9,600
Power	Power Redundancy	O	O	O
	Input Power	DC 12 ~ 56V	DC 54 ~ 56V	DC 54 ~ 56V
	No-load / Maximum Power	13.1W/18.1W	19.9W/293.9W	20.8W/310.9W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	-40 ~ 80℃
	Installation Method	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount
	Dimensions (WxDxH)	61.8x111x158 (mm)	61.8x111x158 (mm)	61.8x111x158 (mm)
	Weight (kg)	1kg	1.2kg	1.1kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	X	X	X
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH /Telnet Server	O	O	O
	IEEE 1588v2 PTP (TC)	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	O	O	O

01

Security-Certified Series

Security Function Certification
Series, Industrial 1G/2.5G Switches



Model		SFC6800G	SFC6800G-1U	SFC6800G-4U
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps) // 1 Module	8 TP (10/100/1000Mbps) // 1 Module
	1G Fiber Port	2 SFP (100M/1Gbps)	2 SFP (100M/1Gbps) // 1 Module	2 SFP (100M/1Gbps) // 1 Module
	2.5G Fiber Port	2 SFP (100M/1G/2.5Gbps)	2 SFP (100M/1G/2.5Gbps) // 1 Module	2 SFP (100M/1G/2.5Gbps) // 1 Module
	10G Fiber Port	-	-	-
	Console	O	O	O
PoE	PoE Port	-	-	-
	PoE Budget	-	-	-
Performance	Switch Fabric	30Gbps	30Gbps // 1 Module	30Gbps // 1 Module
	Throughput	22.32Mpps	22.32Mpps // 1 Module	22.32Mpps // 1 Module
	RAM/Flash Memory	128MB/16MB	128MB/16MB // 1 Module	128MB/16MB // 1 Module
	MAC Table	8K	8K // 1 Module	8K // 1 Module
	Jumbo Frame (byte)	9,600	9,600 // 1 Module	9,600 // 1 Module
Power	Power Redundancy	O	O	O
	Input Power	DC 12 ~ 56V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	12.9W/19.6W	3W/30.7W	5W/120W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Wall or Rack Mount // Chassis Type	Rack Mount	Rack Mount
	Dimensions (WxDxH)	44.4x153.7x151.2 (mm)	416.6x225.6x44.5 (mm)	443.5x256x174.4 (mm)
	Weight (kg)	0.9kg	2.9kg + 0.5kg per Module (Max 2modules)	7.9kg + 0.5kg per Module (Max 8modules)
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	X	X	X
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH /Telnet Server	O	O	O
	IEEE 1588v2 PTP (TC)	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	O	O	O

01

Security-Certified Series

Security Function Certification
Series, Industrial 1G/2.5G Switches



Model		SFC6800S	SFC6800BP_2x2	SFC6800BP_4x4
Port	TP Port	4 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)
	1G Fiber Port	-	2 SFP (100M/1Gbps)	2 SFP (100M/1Gbps)
	2.5G Fiber Port	2 SFP (100M/1G/2.5Gbps)	2 SFP (100M/1G/2.5Gbps), Bypass (2x2)	2 SFP (100M/1G/2.5Gbps), Bypass (4x4)
	10G Fiber Port	-	-	-
	Console	O	O	O
PoE	PoE Port	-	-	-
	PoE Budget	-	-	-
Performance	Switch Fabric	18Gbps	30Gbps	30Gbps
	Throughput	13.39Mpps	22.32Mpps	22.32Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB
	MAC Table	8K	8K	8K
	Jumbo Frame (byte)	9,600	9,600	9,600
Power	Power Redundancy	O	O (Internal AC-DC dual Power)	O (Internal AC-DC dual Power)
	Input Power	DC 12 ~ 56V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	12.3W/15.7W	6.13W/13.3W	6.13W/13.3W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	-40 ~ 80℃
	Installation Method	Wall or DIN-Rail Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	41.3x106.2x112.3 (mm)	266.1x183.8x88 (mm)	266.1x183.8x88 (mm)
	Weight (kg)	0.6kg	2.4kg	2.4kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	X	X	X
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH /Telnet Server	O	O	O
	IEEE 1588v2 PTP (TC)	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	O	O	O

01

Security-Certified Series

Security Function Certification
Series, Industrial 10G Switches



Model		SFC6810	SFC6810BT	SFC6810G-1U	SFC6810G-4U
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	4 TP (10/100/1000Mbps) // 1 Module	4 TP (10/100/1000Mbps) // 1 Module
	1G Fiber Port	-	-	-	-
	2.5G Fiber Port	-	-	-	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps) // 1 Module	4 SFP+ (100M/1G/10Gbps) // 1 Module
	Console	O	O	O	O
PoE	PoE Port	-	4 PoE (af/at/bt) + 4 PoE (af/at)	-	-
	PoE Budget	-	PoE Max. 240W	-	-
Performance	Switch Fabric	96Gbps	96Gbps	88Gbps // 1 Module	88Gbps // 1 Module
	Throughput	71.42Mpps	71.42Mpps	65.47Mpps // 1 Module	65.47Mpps // 1 Module
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB // 1 Module	512MB/16MB // 1 Module
	MAC Table	32K	32K	32K // 1 Module	32K // 1 Module
	Jumbo Frame (byte)	10,240	10,240	10,240 // 1 Module	10,240 // 1 Module
Power	Power Redundancy	O	O	O	O
	Input Power	DC 36 ~ 56V	DC 54 ~ 56V	AC 100 ~ 240V, DC 36 ~ 56V	AC 100 ~ 240V
	No-load / Maximum Power	22.3W/32.1W	24W/306.5W	26.1W/49.8W	168.8W/201.7W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 70℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	74x130x166.5 (mm)	74x130x166.5 (mm)	416.6x240.6x44.5 (mm)	443.5x256x174.4 (mm)
	Weight (kg)	1.5kg	1.6kg	3.9kg + 0.4kg per Module (Max 2modules)	7.9kg + 0.4kg per Module (Max 8modules)
Supported Features	STP/RSTP/MSTP	O	O	O	O
	802.1Q VLAN	O	O	O	O
	IEEE 802.1x	O	O	O	O
	GVRP	O	O	O	O
	Aggregation (LACP)	O	O	O	O
	IGMP Snooping	O	O	O	O
	G.8032 ERPS	O	O	O	O
	S-RING	O	O	O	O
	Backup Link	O	O	O	O
	Inter-VLAN Routing	O	O	O	O
	Mirroring	O	O	O	O
	Web (http/https)	O	O	O	O
	SSH Server	O	O	O	O
	Telnet Server	O	O	O	O
	NMS via SNMP	O	O	O	O
	Access Control List	O	O	O	O
	Dual NOS	O	O	O	O
	Security Features Verification Certificate	O	O	O	O

01

Security-Certified Series

Security Function Certification,
Industrial 10G Switches



Model		SFC6810-BP_2x2	SFC6810-BP_4x4	SFC6810BT-BP_2x2	SFC6810BT-BP_4x4
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)
	1G Fiber Port	-	-	-	-
	2.5G Fiber Port	-	-	-	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps), Bypass (2x2)	4 SFP+ (100M/1G/10Gbps), Bypass (4x4)	4 SFP+ (100M/1G/10Gbps), Bypass (2x2)	4 SFP+ (100M/1G/10Gbps), Bypass (4x4)
	Console	O	O	O	O
PoE	PoE Port	-	-	4 PoE (af/at/bt) + 4 PoE (af/at)	4 PoE (af/at/bt) + 4 PoE (af/at)
	PoE Budget	-	-	PoE Max. 240W	PoE Max. 240W
Performance	Switch Fabric	96Gbps	96Gbps	96Gbps	96Gbps
	Throughput	71.42Mpps	71.42Mpps	71.42Mpps	71.42Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB	512MB/16MB
	MAC Table	32K	32K	32K	32K
	Jumbo Frame (byte)	10,240	10,240	10,240	10,240
Power	Power Redundancy	O	O	O	O
	Input Power	DC 36 ~ 56V	DC 36 ~ 56V	DC 54 ~ 56V	DC 54 ~ 56V
	No-load / Maximum Power	23.5W/33.3W	23.5W/33.3W	25.2W/307.7W	25.2W/307.7W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	-40 ~ 70℃	-40 ~ 70℃
	Installation Method	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount
	Dimensions (WxDxH)	74x130x166.5 (mm)	74x130x166.5 (mm)	74x130x166.5 (mm)	74x130x166.5 (mm)
	Weight (kg)	1.5kg	1.5kg	1.6kg	1.6kg
Supported Features	STP/RSTP/MSTP	O	O	O	O
	802.1Q VLAN	O	O	O	O
	IEEE 802.1x	O	O	O	O
	GVRP	O	O	O	O
	Aggregation (LACP)	O	O	O	O
	IGMP Snooping	O	O	O	O
	G.8032 ERPS	O	O	O	O
	S-RING	O	O	O	O
	Backup Link	O	O	O	O
	Inter-VLAN Routing	O	O	O	O
	Mirroring	O	O	O	O
	Web (http/https)	O	O	O	O
	SSH Server	O	O	O	O
	Telnet Server	O	O	O	O
	NMS via SNMP	O	O	O	O
	Access Control List	O	O	O	O
	Dual NOS	O	O	O	O
	Security Features Verification Certificate	O	O	O	O

01

Security-Certified Series

Security Function Certification,
Industrial 10G Switches



Model		SFC6814BT	SFC6814BT-BP_2x2	SFC6814BT-BP_4x4
Port	TP Port	4 TP (10/100/1000M/2.5Gbps)	4 TP (10/100/1000M/2.5Gbps)	4 TP (10/100/1000M/2.5Gbps)
	1G Fiber Port	-	-	-
	2.5G Fiber Port	-	-	-
	10G Fiber Port	2 SFP+ (100M/1G/10Gbps)	2 SFP+ (100M/1G/10Gbps), Bypass (2x2)	2 SFP+ (100M/1G/10Gbps), Bypass (4x4)
	Console	O	O	O
PoE	PoE Port	4 PoE (af/at/bt)	4 PoE (af/at/bt)	4 PoE (af/at/bt)
	PoE Budget	PoE Max. 240W	PoE Max. 240W	PoE Max. 240W
Performance	Switch Fabric	60Gbps	60Gbps	60Gbps
	Throughput	44.64Mpps	44.64Mpps	44.64Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB
	MAC Table	32K	32K	32K
	Jumbo Frame (byte)	10,240	10,240	10,240
Power	Power Redundancy	O	O	O
	Input Power	DC 54 ~ 56V	DC 54 ~ 56V	DC 54 ~ 56V
	No-load / Maximum Power	18.1W/300.2W	19.3W/301.4W	19.3W/301.4W
Environmental Conditions	Operating Temperature	-40 ~ 70℃	-40 ~ 70℃	-40 ~ 70℃
	Installation Method	DIN-Rail or Wall Mount	DIN-Rail or Wall Mount	DIN-Rail or Wall Mount
	Dimensions (WxDxH)	74x130x160 (mm)	74x130x160 (mm)	74x130x160 (mm)
	Weight (kg)	1.3kg	1.3kg	1.4kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	O	O	O
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH Server	O	O	O
	Telnet Server	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	O	O	O

01

Security-Certified Series

Security Function Certification,
1G Switches



Model		SFC6410T	SFC6410HP	SFC6414HP
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	12 TP (10/100/1000Mbps)
	1G Fiber Port	2 SFP (100M/1Gbps)	2 SFP (100M/1Gbps)	2 SFP (100M/1Gbps)
	2.5G Fiber Port	-	-	-
	10G Fiber Port	-	-	-
	Console	-	-	0
PoE	PoE Port	-	8 PoE (af/at)	12 PoE (af/at)
	PoE Budget	-	PoE Max. 120W	PoE Max. 240W
Performance	Switch Fabric	20Gbps	20Gbps	28Gbps
	Throughput	14.88Mpps	14.88Mpps	20.83Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB
	MAC Table	8K	8K	8K
	Jumbo Frame (byte)	9,600	9,600	9,600
Power	Power Redundancy	-	-	-
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	3.7W/7.9W	5.7W/120.4W	11.1W/252.3W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	217x155x44 (mm)	330.5x152.9x44.1 (mm)	310x248.8x44 (mm)
	Weight (kg)	1.2kg	1.9kg	2.7kg
Supported Features	STP/RSTP/MSTP	0	0	0
	802.1Q VLAN	0	0	0
	IEEE 802.1x	0	0	0
	GVRP	0	0	0
	Aggregation (LACP)	0	0	0
	IGMP Snooping	0	0	0
	G.8032 ERPS	0	0	0
	S-RING	0	0	0
	Backup Link	0	0	0
	Inter-VLAN Routing	X	X	X
	Mirroring	0	0	0
	Web (http/https)	0	0	0
	SSH /Telnet Server	0	0	0
	IEEE 1588v2 PTP (TC)	0	0	0
	NMS via SNMP	0	0	0
	Access Control List	0	0	0
	Dual NOS	0	0	0
	Security Features Verification Certificate	0	0	0

01

Security-Certified Series

Security Function Certification,
1G Switches



Model		SFC6426T	SFC6426T(DC)	SFC6426HP
Port	TP Port	24 TP (10/100/1000Mbps), 2 Combo	24 TP (10/100/1000Mbps), 2 Combo	24 TP (10/100/1000Mbps), 2 Combo
	1G Fiber Port	4 SFP (100M/1Gbps), 2 Combo	4 SFP (100M/1Gbps), 2 Combo	4 SFP (100M/1Gbps), 2 Combo
	2.5G Fiber Port	-	-	-
	10G Fiber Port	-	-	-
	Console	DB9 (F)	DB9 (F)	DB9 (F)
PoE	PoE Port	-	-	24 PoE (af/at)
	PoE Budget	-	-	PoE Max. 380W
Performance	Switch Fabric	52Gbps	52Gbps	52Gbps
	Throughput	38.68Mpps	38.68Mpps	38.68Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB
	MAC Table	8K	8K	8K
	Jumbo Frame (byte)	9,600	9,600	9,600
Power	Power Redundancy	-	0	-
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V, DC 38V ~ 60V	AC 100 ~ 240V
	No-load / Maximum Power	9.7W/19.7W	AC 23.3W/32.4W, DC 11.3W/20.7W	25.4W/432.6W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	439.2x300x44 (mm)	439.2x300x44 (mm)	439.2x300x44 (mm)
	Weight (kg)	3.7kg	3.8kg	4.9kg
Supported Features	STP/RSTP/MSTP	0	0	0
	802.1Q VLAN	0	0	0
	IEEE 802.1x	0	0	0
	GVRP	0	0	0
	Aggregation (LACP)	0	0	0
	IGMP Snooping	0	0	0
	G.8032 ERPS	0	0	0
	S-RING	0	0	0
	Backup Link	0	0	0
	Inter-VLAN Routing	X	X	X
	Mirroring	0	0	0
	Web (http/https)	0	0	0
	SSH /Telnet Server	0	0	0
	IEEE 1588v2 PTP (TC)	0	0	0
	NMS via SNMP	0	0	0
	Access Control List	0	0	0
	Dual NOS	0	0	0
	Security Features Verification Certificate	0	0	0

01

Security-Certified Series

Security Function Certification,
10G Switches



Model		SFC6428AB	SFC6428T	SFC6428HP	SFC6428BT
Port	TP Port	4 TP (10/100/1000Mbps), 4 Combo	24 TP (10/100/1000Mbps)	24 TP (10/100/1000Mbps)	24 TP (10/100/1000Mbps)
	1G Fiber Port	16 SFP (100M/1Gbps), 4 Combo	-	-	-
	2.5G Fiber Port	8 SFP (100M/1G/2.5Gbps)	-	-	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps)
	Console	O	O	O	O
PoE	PoE Port	-	-	24 PoE (af/at)	16 PoE (af/at) + 8 PoE (af/at/bt)
	PoE Budget	-	-	PoE Max. 400W	PoE Max. 840W
Performance	Switch Fabric	152Gbps	128Gbps	128Gbps	128Gbps
	Throughput	113.08Mpps	95.23Mpps	95.23Mpps	95.23Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB	512MB/16MB
	MAC Table	32K	32K	32K	32K
	Jumbo Frame (byte)	10,240	10,240	10,240	10,240
Power	Power Redundancy	-	-	-	O
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	13.4W/37.3W	15.1W/26.9W	36.3W/446.3W	26W/945.7W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 50℃	0 ~ 50℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	439.2x225x44 (mm)	439.2x330x44 (mm)	439.2x330x44 (mm)	440x349x44 (mm)
	Weight (kg)	3.2kg	4kg	5.2kg	6.4kg
Supported Features	STP/RSTP/MSTP	O	O	O	O
	802.1Q VLAN	O	O	O	O
	IEEE 802.1x	O	O	O	O
	GVRP	O	O	O	O
	Aggregation (LACP)	O	O	O	O
	IGMP Snooping	O	O	O	O
	G.8032 ERPS	O	O	O	O
	S-RING	O	O	O	O
	Backup Link	O	O	O	O
	Inter-VLAN Routing	O	O	O	O
	Mirroring	O	O	O	O
	Web (http/https)	O	O	O	O
	SSH Server	O	O	O	O
	Telnet Server	O	O	O	O
	NMS via SNMP	O	O	O	O
	Access Control List	O	O	O	O
	Dual NOS	O	O	O	O
	Security Features Verification Certificate	O	O	O	O

01

Security-Certified Series

Security Function Certification,
10G Switches



Model		SFC6412BT	SFC6412BT-BP_2x2	SFC6412BT-BP_4x4	Scheduled for Release in Q4 SFC6452HP
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	48 TP (10/100/1000Mbps)
	1G Fiber Port	-	-	-	-
	2.5G Fiber Port	-	-	-	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps), Bypass (2x2)	4 SFP+ (100M/1G/10Gbps), Bypass (4x4)	4 SFP+ (100M/1G/10Gbps)
	Console	O	O	O	O
PoE	PoE Port	4 PoE (af/at/bt) + 4 PoE (af/at)	4 PoE (af/at/bt) + 4 PoE (af/at)	4 PoE (af/at/bt) + 4 PoE (af/at)	48 PoE (af/at)
	PoE Budget	PoE Max. 240W	PoE Max. 240W	PoE Max. 240W	PoE Max. 520W
Performance	Switch Fabric	96Gbps	96Gbps	96Gbps	176Gbps
	Throughput	71.42Mpps	71.42Mpps	71.42Mpps	130.94Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB	512MB/16MB
	MAC Table	32K	32K	32K	32K
	Jumbo Frame (byte)	10,240	10,240	10,240	10,240
Power	Power Redundancy	-	-	-	O
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	17.7W/289.2W	18.9W/290.4W	18.9W/290.4W	-
Environmental Conditions	Operating Temperature	-40 ~ 75℃	-40 ~ 75℃	-40 ~ 75℃	0 ~ 50℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	310x248.8x44 (mm)	310x248.8x44 (mm)	310x248.8x44 (mm)	440x358x44 (mm)
	Weight (kg)	2.8kg	2.8kg	2.8kg	-
Supported Features	STP/RSTP/MSTP	O	O	O	O
	802.1Q VLAN	O	O	O	O
	IEEE 802.1x	O	O	O	O
	GVRP	O	O	O	O
	Aggregation (LACP)	O	O	O	O
	IGMP Snooping	O	O	O	O
	G.8032 ERPS	O	O	O	O
	S-RING	O	O	O	O
	Backup Link	O	O	O	O
	Inter-VLAN Routing	O	O	O	O
	Mirroring	O	O	O	O
	Web (http/https)	O	O	O	O
	SSH Server	O	O	O	O
	Telnet Server	O	O	O	O
	NMS via SNMP	O	O	O	O
	Access Control List	O	O	O	O
	Dual NOS	O	O	O	O
	Security Features Verification Certificate	O	O	O	O

02 | Industrial PoE Series



This is a high-reliability industrial PoE switch series that stably provides both data communication and power simultaneously to various network devices in industrial environments. With support for PoE (802.3 af/at/bt) based on 100M, 1G, 2.5G, and 10G Ethernet, it efficiently connects various industrial devices into a single network. Through designs optimized for industrial environments, it enables stable network operation even in extreme conditions.

1 SONOS

- All product lineups use the same software (SONOS) engine
- Maximizes maintenance efficiency and ensures stability across all devices with SONOS
- Unifies device UX to improve user convenience

2 PoE Power Supply Product Line

- IEEE 802.3af/at standard support (model name HP)
- IEEE 802.3af/at/bt standard support (model name BT)
- PoE port user priority setting feature support (managed)

3 Stability/Compatibility (Managed)

- Soltech S-Ring protocol recovery time < 30ms
- Standard G.8032 ERPS support, compatibility secured < 30ms
- SNMPv2c, SNMPv3 support
- NMS, Syslog, NTP integration available

4 Industrial Managed Ethernet Switch

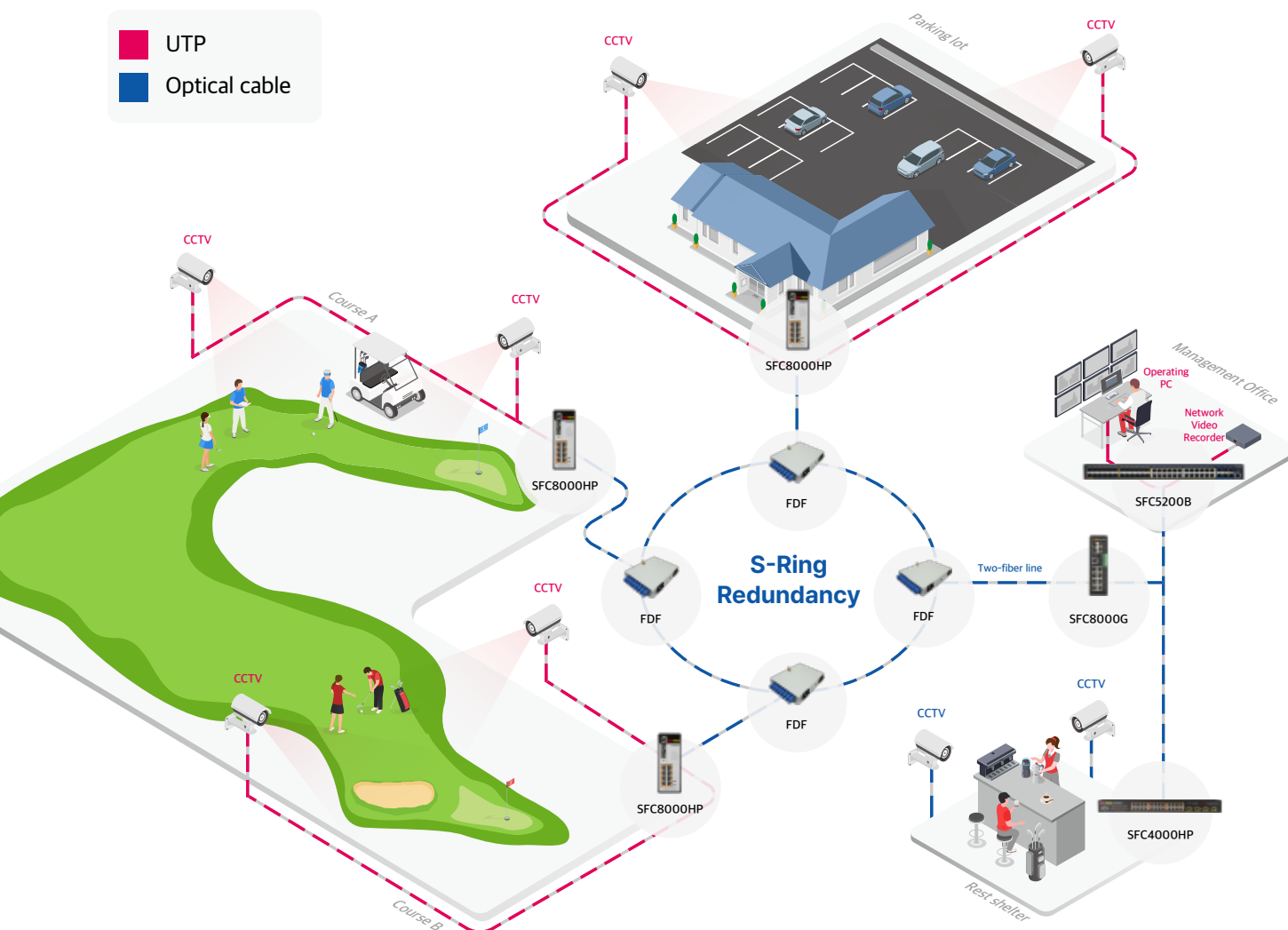
- Wide operating temperature range: Max. -40 ~ 80°C (varies by device)
- DC power reverse polarity protection circuit and dual power input support (SFC8100 series)
- DC power non-polarized input and dual power input support (SFC8000 series)
- BYPASS function additional option (2x2, 4x4)
- 19-inch rack (1U) mountable (SFC410BT series only)
- Wall-mountable or DIN rail installable, DIN rail installation enables 19-inch rack (4U) mounting (except SFC410BT series)

5 Convenient Management and Maintenance (Managed)

- Soltech device search program ScanManager for MAC/IP/Model/Serial/S-Ring configuration and status verification
- Web, Console, Telnet, SSH, etc. support
- Dual-Bank NOS, Dual-Bank Config support

SOLTECH SOLUTION

The Golf Course CCTV Communication Solution



| Key Features

The Golf Course CCTV Communication Solution provides a stable long-distance network infrastructure that covers extensive grounds and diverse facilities.

The network system built on Soltech devices stably connects CCTVs across the entire golf course, including clubhouses, courses, and parking lots, both indoors and outdoors, enabling uninterrupted video monitoring environment.

Managed PoE 1G Switch SFC4000HP	Industrial Managed 1G/2.5G Switch SFC8000G	Industrial Managed PoE 1G/2.5G Switch SFC8000HP
 PoE 24 TP (10/100/1000Mbps) + 4 SFP (100M/1Gbps), 2 Combo (P23, 24), 24 PoE (af/at), PoE Max. 380W	 8 TP (10/100/1000Mbps) + 2 SFP (100M/1Gbps) + 2 SFP (100M/1G/2.5Gbps), Op. Temp -40 ~ 80°C	 PoE 8 TP (10/100/1000Mbps) + 2 SFP (100M/1G/2.5Gbps), 8 PoE (af/at), PoE Max. 240W, Op. Temp -40 ~ 80°C

SOLTECH SOLUTION

The Logistics Center Network Solution



| Key Features

The Logistics Center Network Solution provides high-reliability industrial communication infrastructure for logistics environments requiring 24 hour stable operation.

It supports network redundancy and dual power configuration, ensuring uninterrupted and stable network operation. Web-based management features enable efficient management of network configuration and operation, while fast ring switching protocol and 10Gbps uplink support enable rapid and stable data transmission.

Industrial Managed 10G Switch SFC8100  8 TP (10/100/1000Mbps) + 4 SFP+ (100M/1G/10Gbps), Op. Temp -40 ~ 80°C	Industrial Managed PoE 10G Switch SFC8100BT  8 TP (10/100/1000Mbps) + 4 SFP+ (100M/1G/10Gbps), 4 PoE (af/at/bt) + 4 PoE (af/at), PoE Max. 240W, Op. Temp -40 ~ 70°C	Industrial Managed PoE 10G Switch SFC8104BT  4 TP (10/100/1000M/2.5Gbps) + 2 SFP+ (100M/1G/10Gbps), 4 PoE (af/at/bt), PoE Max. 240W, Op. Temp -40 ~ 70°C	1G /10G /L3 Managed Switch SFC5200B  24 TP (10/100/1000Mbps) + 24 SFP (1Gbps) + 6 SFP+ (1G/10Gbps)
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02

Industrial PoE Series

Industrial Managed
PoE 1G/2.5G Switches



Model		SFC8000HP	SFC8000GHP
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)
	1G Fiber Port	-	2 SFP (100M/1Gbps)
	2.5G Fiber Port	2 SFP (100M/1G/2.5Gbps)	2 SFP (100M/1G/2.5Gbps)
	10G Fiber Port	-	-
	Console	O	O
PoE	PoE Port	8 PoE (af/at)	8 PoE (af/at)
	PoE Budget	PoE Max. 240W	PoE Max. 240W
Performance	Switch Fabric	26Gbps	30Gbps
	Throughput	19.34Mpps	22.32Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB
	MAC Table	8K	8K
	Jumbo Frame (byte)	9,600	9,600
Power	Power Redundancy	O	O
	Input Power	DC 54 ~ 56V	DC 54 ~ 56V
	No-load / Maximum Power	19.9W/293.9W	20.8W/310.9W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃
	Installation Method	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount
	Dimensions (WxDxH)	61.8x111x158 (mm)	61.8x111x158 (mm)
	Weight (kg)	1.2kg	1.1kg
Supported Features	STP/RSTP/MSTP	O	O
	802.1Q VLAN	O	O
	IEEE 802.1x	O	O
	GVRP	O	O
	Aggregation (LACP)	O	O
	IGMP Snooping	O	O
	G.8032 ERPS	O	O
	S-RING	O	O
	Backup Link	O	O
	Inter-VLAN Routing	X	X
	Mirroring	O	O
	Web (http/https)	O	O
	SSH /Telnet Server	O	O
	IEEE 1588v2 PTP (TC)	O	O
	NMS via SNMP	O	O
	Access Control List	O	O
	Dual NOS	O	O
	Security Features Verification Certificate	X	X

02

Industrial PoE Series

Industrial Managed
PoE 10G Switches



Model		SFC8100BT	SFC8100BT-BP_2x2	SFC8100BT-BP_4x4
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)
	1G Fiber Port	-	-	-
	2.5G Fiber Port	-	-	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps), Bypass (2x2)	4 SFP+ (100M/1G/10Gbps), Bypass (4x4)
	Console	O	O	O
PoE	PoE Port	4 PoE (af/at/bt) + 4 PoE (af/at)	4 PoE (af/at/bt) + 4 PoE (af/at)	4 PoE (af/at/bt) + 4 PoE (af/at)
	PoE Budget	PoE Max. 240W	PoE Max. 240W	PoE Max. 240W
Performance	Switch Fabric	96Gbps	96Gbps	96Gbps
	Throughput	71.42Mpps	71.42Mpps	71.42Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB
	MAC Table	32K	32K	32K
	Jumbo Frame (byte)	10,240	10,240	10,240
Power	Power Redundancy	O	O	O
	Input Power	DC 54 ~ 56V	DC 54 ~ 56V	DC 54 ~ 56V
	No-load / Maximum Power	24W/306.5W	25.2W/307.7W	25.2W/307.7W
Environmental Conditions	Operating Temperature	-40 ~ 70℃	-40 ~ 70℃	-40 ~ 70℃
	Installation Method	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount
	Dimensions (WxDxH)	74x130x166.5 (mm)	74x130x166.5 (mm)	74x130x166.5 (mm)
	Weight (kg)	1.6kg	1.6kg	1.6kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	O	O	O
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH Server	O	O	O
	Telnet Server	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	X	X	X

02

Industrial PoE Series

Industrial Managed
PoE 10G Switches



Model		SFC410BT	SFC410BT-BP_2x2	SFC410BT-BP_4x4
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)
	1G Fiber Port	-	-	-
	2.5G Fiber Port	-	-	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps), Bypass (2x2)	4 SFP+ (100M/1G/10Gbps), Bypass (4x4)
	Console	O	O	O
PoE	PoE Port	4 PoE (af/at/bt) + 4 PoE (af/at)	4 PoE (af/at/bt) + 4 PoE (af/at)	4 PoE (af/at/bt) + 4 PoE (af/at)
	PoE Budget	PoE Max. 240W	PoE Max. 240W	PoE Max. 240W
Performance	Switch Fabric	96Gbps	96Gbps	96Gbps
	Throughput	71.42Mpps	71.42Mpps	71.42Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB
	MAC Table	32K	32K	32K
	Jumbo Frame (byte)	10,240	10,240	10,240
Power	Power Redundancy	-	-	-
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	17.7W/289.2W	18.9W/290.4W	18.9W/290.4W
Environmental Conditions	Operating Temperature	-40 ~ 75°C	-40 ~ 75°C	-40 ~ 75°C
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	310x248.8x44 (mm)	310x248.8x44 (mm)	310x248.8x44 (mm)
	Weight (kg)	2.8kg	2.8kg	2.8kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	O	O	O
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH Server	O	O	O
	Telnet Server	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	X	X	X

02

Industrial PoE Series

Industrial Managed
PoE 10G Switches



Model		SFC8104BT	SFC8104BT-BP_2x2	SFC8104BT-BP_4x4
Port	TP Port	4 TP (10/100/1000M/2.5Gbps)	4 TP (10/100/1000M/2.5Gbps)	4 TP (10/100/1000M/2.5Gbps)
	1G Fiber Port	-	-	-
	2.5G Fiber Port	-	-	-
	10G Fiber Port	2 SFP+ (100M/1G/10Gbps)	2 SFP+ (100M/1G/10Gbps), Bypass (2x2)	2 SFP+ (100M/1G/10Gbps), Bypass (4x4)
	Console	O	O	O
PoE	PoE Port	4 PoE (af/at/bt)	4 PoE (af/at/bt)	4 PoE (af/at/bt)
	PoE Budget	PoE Max. 240W	PoE Max. 240W	PoE Max. 240W
Performance	Switch Fabric	60Gbps	60Gbps	60Gbps
	Throughput	44.64Mpps	44.64Mpps	44.64Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB
	MAC Table	32K	32K	32K
	Jumbo Frame (byte)	10,240	10,240	10,240
Power	Power Redundancy	O	O	O
	Input Power	DC 54 ~ 56V	DC 54 ~ 56V	DC 54 ~ 56V
	No-load / Maximum Power	18.1W/300.2W	19.3W/301.4W	19.3W/301.4W
Environmental Conditions	Operating Temperature	-40 ~ 70℃	-40 ~ 70℃	-40 ~ 70℃
	Installation Method	DIN-Rail or Wall Mount	DIN-Rail or Wall Mount	DIN-Rail or Wall Mount
	Dimensions (WxDxH)	74x130x160 (mm)	74x130x160 (mm)	74x130x160 (mm)
	Weight (kg)	1.3kg	1.3kg	1.4kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	O	O	O
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH Server	O	O	O
	Telnet Server	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	X	X	X

02

Industrial PoE Series

Industrial Unmanaged
PoE Switches



Model		SFC300PoE
Port	TP Port	4 TP (10/100Mbps)
	100M Fiber Port	2 SFP (100Mbps)
	1G Fiber Port	-
	Fiber Optic Cable	SFP Dependent (SM/MM)
	Connector	SFP Dependent (LC/SC)
	Transmission Distance	SFP Dependent
	Wavelength	SFP Dependent
PoE	PoE Port	4 PoE (af/at)
	PoE Budget	PoE Max. 60W
Performance	Switch Fabric	1.2Gbps
	Throughput	0.89Mpps
	MAC Table	1K
	Jumbo Frame (byte)	-
Power	Input Power	DC 48 ~ 56V
	No-load / Maximum Power	17.1W/89.9W
Environmental Conditions	Operating Temperature	-40 ~ 80℃
	Installation Method	DIN-Rail or Wall Mount
	Dimensions (WxDxH)	41.3x103.1x133.3 (mm)
	Weight (kg)	0.6kg

02

산업용 PoE 시리즈

산업용
PoE Bypass



Model		SFC-BYPASS-PoE_2x2	SFC-BYPASS-PoE_4x4
Port	TP Port	1 TP (PoE PD)	1 TP (PoE PD)
	BYPASS Port	SC TYPE (2x2)	LC TYPE (4x4)
Performance	Operating Wavelength	1310/1550 nm	
	Insertion Loss	Max 1.5dB (includes F/O connection loss)	
	Recovery Time	< 8 ms	
Power	Power Redundancy	0	
	Input Power	PoE PD or DC 12 ~ 56V	
	No-load Power	8.7W	
	Maximum Power	8.8W	
Environmental Conditions	Operating Temperature	-40 ~ 80℃	
	Installation Method	DIN-Rail or Wall Mount	
	Dimensions (WxDxH)	33x110x157 (mm)	
	Weight (kg)	0.6kg	

03 | Industrial Ethernet Series



This is a high-reliability industrial Ethernet switch lineup for configuring core infrastructure in industrial environments. With high-speed Ethernet performance based on 100M, 1G, 2.5G, and 10G, it enables stable data communication even in environments where communication failures or delays are not tolerated. Centered on control systems and backbone networks, it enables continuous operation even in large-scale and long-distance environments.

1 SONOS

- All product lineups use the same software (SONOS) engine
- Maximizes maintenance efficiency and ensures stability across all devices with SONOS
- Unifies device UX to improve user convenience

2 Industrial Unmanaged Switch and Converter

- Compact size
- Industrial DIN rail installation support
- DC 12 ~ 56V input power (SFC3XX series)

3 Stability/Compatibility (Managed)

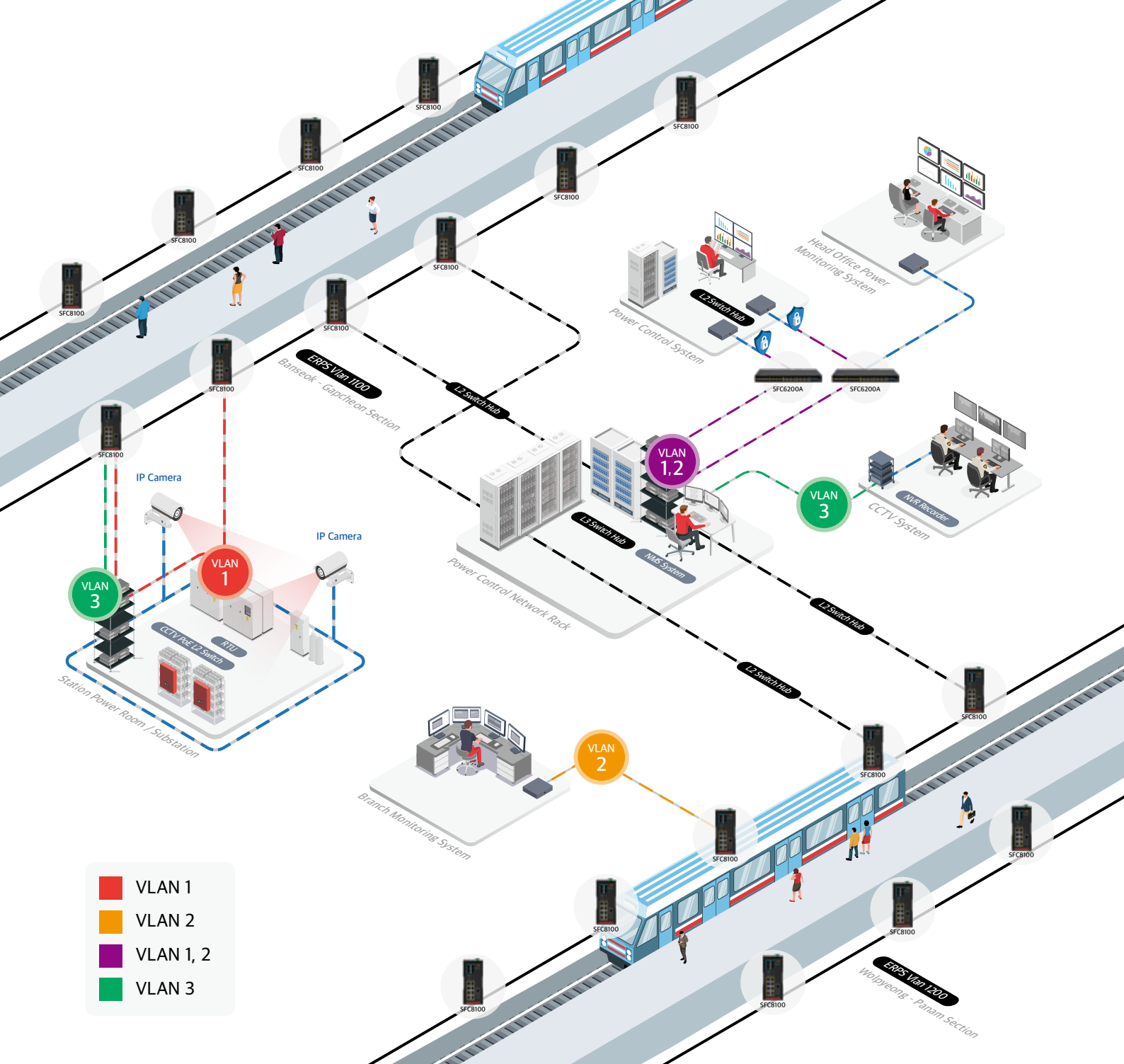
- Soltech S-Ring protocol recovery time < 30ms
- Standard G.8032 ERPS support, compatibility secured < 30ms
- SNMPv2c, SNMPv3 support
- NMS, Syslog, NTP integration available

4 Industrial Managed Ethernet Switch

- Wide operating temperature range: Max. -40 ~ 80°C (varies by device)
- DC power reverse polarity protection circuit and dual power input support (SFC8100 series)
- DC power non-polarized input and dual power input support (SFC8000 series)
- BYPASS function additional option (2x2, 4x4)
- Industrial DIN rail installation support

5 Convenient Management and Maintenance (Managed)

- Soltech device search program ScanManager for MAC/IP/Model/Serial/S-Ring configuration and status verification
- Web, Console, Telnet, SSH, etc. support
- Dual-Bank NOS, Dual-Bank Config support



SOLTECH SOLUTION

Smart City Railway Solution

| Key Features

The Smart City Railway Solution based on Industrial Ethernet Switches provides high-reliability network infrastructure optimized for urban railway environments.

Through high-speed and highly stable real-time equipment data transmission with Industrial Managed 10G Switch SFC8100, it enables accurate analysis and rapid control, implementing urban railway infrastructure with reliability and efficiency.

Industrial Managed 10G Switch **SFC8100**



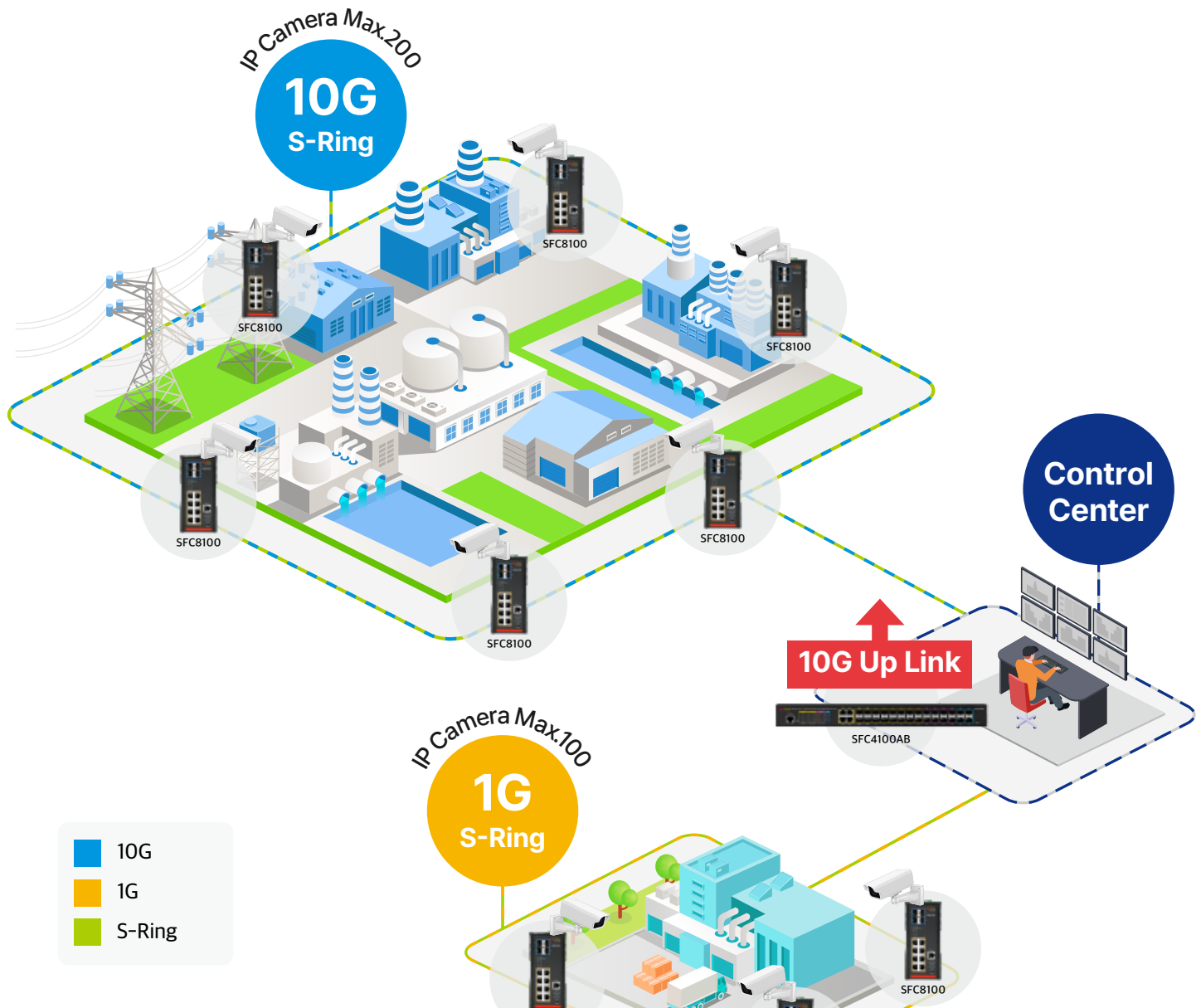
8 TP (10/100/1000Mbps) +
4 SFP+ (100M/1G/10Gbps),
Op. Temp -40 ~ 80°C

Security L3 Switch **SFC6200A**



24 TP (10/100/1000Mbps) +
24 SFP (100M/1Gbps) +
6 SFP+ (1G/10Gbps)

The Factory Plant Communication Solution



Key Features

The Factory Plant Communication Solution based on Industrial Ethernet Switches provides high-reliability network infrastructure for industrial sites requiring continuous operation.

Based on the SFC8100 Industrial Switch supporting Dual S-Ring technology and the L2 Switch SFC4100AB, this 10G network solution provides high-speed and high-reliability data transmission and network redundancy architecture required in factory automation and plant environments.

Industrial Managed 10G Switch SFC8100	Managed 10G Switch SFC4100AB
 8 TP (10/100/1000Mbps) + 4 SFP+ (100M/1G/10Gbps), Op. Temp -40 ~ 80°C	 4 TP (10/100/1000Mbps) + 16 SFP (100M/1Gbps), 4 Combo (P1 ~ 4) + 8 SFP (100M/1G/2.5Gbps) + 4 SFP+ (100M/1G/10Gbps)

03

Industrial Ethernet Series

Industrial Managed
1G/2.5G Switches



Model		SFC8000	SFC8000S	SFC8000G
Port	TP Port	8 TP (10/100/1000Mbps)	4 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)
	1G Fiber Port	-	-	2 SFP (100M/1Gbps)
	2.5G Fiber Port	2 SFP (100M/1G/2.5Gbps)	2 SFP (100M/1G/2.5Gbps)	2 SFP (100M/1G/2.5Gbps)
	10G Fiber Port	-	-	-
	Console	O	O	O
PoE	PoE Port	-	-	-
	PoE Budget	-	-	-
Performance	Switch Fabric	26Gbps	18Gbps	30Gbps
	Throughput	19.34Mpps	13.39Mpps	22.32Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB
	MAC Table	8K	8K	8K
	Jumbo Frame (byte)	9,600	9,600	9,600
Power	Power Redundancy	O	O	O
	Input Power	DC 12 ~ 56V	DC 12 ~ 56V	DC 12 ~ 56V
	No-load / Maximum Power	13.1W/18.1W	12.3W/15.7W	12.9W/19.6W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	-40 ~ 80℃
	Installation Method	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount	Wall or Rack Mount // Chassis Type
	Dimensions (WxDxH)	61.8x111x158 (mm)	41.3x106.2x112.3 (mm)	44.4x153.7x151.2 (mm)
	Weight (kg)	1kg	0.6kg	0.9kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	X	X	X
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH /Telnet Server	O	O	O
	IEEE 1588v2 PTP (TC)	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	X	X	X

03

Industrial Ethernet Series

Industrial Managed
1G/2.5G Switches



Model		SFC8000BP_2x2	SFC8000BP_4x4	SFC8000G-1U	SFC8000G-4U
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps) // 1 Module	8 TP (10/100/1000Mbps) // 1 Module
	1G Fiber Port	2 SFP (100M/1Gbps)	2 SFP (100M/1Gbps)	2 SFP (100M/1Gbps) // 1 Module	2 SFP (100M/1Gbps) // 1 Module
	2.5G Fiber Port	2 SFP (100M/1G/2.5Gbps), Bypass (2x2)	2 SFP (100M/1G/2.5Gbps), Bypass (4x4)	2 SFP (100M/1G/2.5Gbps) // 1 Module	2 SFP (100M/1G/2.5Gbps) // 1 Module
	10G Fiber Port	-	-	-	-
	Console	O	O	O	O
PoE	PoE Port	-	-	-	-
	PoE Budget	-	-	-	-
Performance	Switch Fabric	30Gbps	30Gbps	30Gbps // 1 Module	30Gbps // 1 Module
	Throughput	22.32Mpps	22.32Mpps	22.32Mpps // 1 Module	22.32Mpps // 1 Module
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB // 1 Module	128MB/16MB // 1 Module
	MAC Table	8K	8K	8K // 1 Module	8K // 1 Module
	Jumbo Frame (byte)	9,600	9,600	9,600 // 1 Module	9,600 // 1 Module
Power	Power Redundancy	O (Internal AC-DC dual Power)	O (Internal AC-DC dual Power)	O	O
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	6.13W/13.3W	6.13W/13.3W	3W/30.7W	5W/120W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	266.1x183.8x88 (mm)	266.1x183.8x88 (mm)	416.6x225.6x44.5 (mm)	443.5x256x174.4 (mm)
	Weight (kg)	2.4kg	2.4kg	2.9kg + 0.5kg per Module (Max 2modules)	7.9kg + 0.5kg per Module (Max 8modules)
Supported Features	STP/RSTP/MSTP	O	O	O	O
	802.1Q VLAN	O	O	O	O
	IEEE 802.1x	O	O	O	O
	GVRP	O	O	O	O
	Aggregation (LACP)	O	O	O	O
	IGMP Snooping	O	O	O	O
	G.8032 ERPS	O	O	O	O
	S-RING	O	O	O	O
	Backup Link	O	O	O	O
	Inter-VLAN Routing	X	X	X	X
	Mirroring	O	O	O	O
	Web (http/https)	O	O	O	O
	SSH /Telnet Server	O	O	O	O
	IEEE 1588v2 PTP (TC)	O	O	O	O
	NMS via SNMP	O	O	O	O
	Access Control List	O	O	O	O
	Dual NOS	O	O	O	O
	Security Features Verification Certificate	X	X	X	X

03

Industrial Ethernet Series

Industrial Managed
10G Switches



Model		SFC8100	SFC8100-BP_2x2	SFC8100-BP_4x4
Port	TP Port	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)
	1G Fiber Port	-	-	-
	2.5G Fiber Port	-	-	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps), Bypass (2x2)	4 SFP+ (100M/1G/10Gbps), Bypass (4x4)
	Console	O	O	O
PoE	PoE Port	-	-	-
	PoE Budget	-	-	-
Performance	Switch Fabric	96Gbps	96Gbps	96Gbps
	Throughput	71.42Mpps	71.42Mpps	71.42Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB
	MAC Table	32K	32K	32K
	Jumbo Frame (byte)	10,240	10,240	10,240
Power	Power Redundancy	O	O	O
	Input Power	DC 36 ~ 56V	DC 36 ~ 56V	DC 36 ~ 56V
	No-load / Maximum Power	22.3W/32.1W	23.5W/33.3W	23.5W/33.3W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	-40 ~ 80℃
	Installation Method	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount	Wall or DIN-Rail Mount
	Dimensions (WxDxH)	74x130x166.5 (mm)	74x130x166.5 (mm)	74x130x166.5 (mm)
	Weight (kg)	1.5kg	1.5kg	1.5kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	O	O	O
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH Server	O	O	O
	Telnet Server	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	X	X	X

03

Industrial Ethernet Series

Industrial Managed
10G Switches



Model		SFC8100G-1U	SFC8100G-4U
Port	TP Port	4 TP (10/100/1000Mbps) // 1 Module	4 TP (10/100/1000Mbps) // 1 Module
	1G Fiber Port	-	-
	2.5G Fiber Port	-	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps) // 1 Module	4 SFP+ (100M/1G/10Gbps) // 1 Module
	Console	O	O
PoE	PoE Port	-	-
	PoE Budget	-	-
Performance	Switch Fabric	88Gbps // 1 Module	88Gbps // 1 Module
	Throughput	65.47Mpps // 1 Module	65.47Mpps // 1 Module
	RAM/Flash Memory	512MB/16MB // 1 Module	512MB/16MB // 1 Module
	MAC Table	32K // 1 Module	32K // 1 Module
	Jumbo Frame (byte)	10,240 // 1 Module	10,240 // 1 Module
Power	Power Redundancy	O	O
	Input Power	AC 100 ~ 240V, DC 36 ~ 56V	AC 100 ~ 240V
	No-load / Maximum Power	26.1W/49.8W	168.8W/201.7W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount
	Dimensions (WxDxH)	416.6x240.6x44.5 (mm)	443.5x256x174.4 (mm)
	Weight (kg)	3.9kg + 0.4kg per Module (Max 2modules)	7.9kg + 0.4kg per Module (Max 8modules)
Supported Features	STP/RSTP/MSTP	O	O
	802.1Q VLAN	O	O
	IEEE 802.1x	O	O
	GVRP	O	O
	Aggregation (LACP)	O	O
	IGMP Snooping	O	O
	G.8032 ERPS	O	O
	S-RING	O	O
	Backup Link	O	O
	Inter-VLAN Routing	O	O
	Mirroring	O	O
	Web (http/https)	O	O
	SSH Server	O	O
	Telnet Server	O	O
	NMS via SNMP	O	O
	Access Control List	O	O
	Dual NOS	O	O
	Security Features Verification Certificate	X	X

03

Industrial Ethernet Series

Industrial Unmanaged
100M Switches



Model		SFC300T	SFC300-SFP	SFC300GS
Port	TP Port	4 TP (10/100Mbps)	4 TP (10/100Mbps)	2 TP (10/100/1000Mbps)
	100M Fiber Port	-	2 SFP (100Mbps)	-
	1G Fiber Port	-	-	2 SFP (1Gbps)
	Fiber Optic Cable	-	SFP Dependent (SM/MM)	SFP Dependent (SM/MM)
	Connector	-	SFP Dependent (LC/SC)	SFP Dependent (LC/SC)
	Transmission Distance	-	SFP Dependent	SFP Dependent
	Wavelength	-	SFP Dependent	SFP Dependent
PoE	PoE Port	-	-	-
	PoE Budget	-	-	-
Performance	Switch Fabric	0.8Gbps	1.2Gbps	8Gbps
	Throughput	0.59Mpps	0.89Mpps	5.95Mpps
	MAC Table	1K	1K	4K
	Jumbo Frame (byte)	-	-	9,216
Power	Input Power	DC 12 ~ 56V	DC 12 ~ 56V	DC 12 ~ 56V
	No-load / Maximum Power	9.7W/11.2W	9.5W/11.9W	8.9W/11.4W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	-40 ~ 80℃
	Installation Method	DIN-Rail or Wall Mount	DIN-Rail or Wall Mount	DIN-Rail or Wall Mount
	Dimensions (WxDxH)	41.6x86.6x111.9 (mm)	41.3x103.1x133.3 (mm)	38.7x107.2x96.5 (mm)
	Weight (kg)	0.4kg	0.6kg	0.4kg

03

Industrial Ethernet Series

Industrial Unmanaged
100M Switches



Model		SFC300SCS	SFC300SCS2	SFC300SCM	SFC300SCM2
Port	TP Port	4 TP (10/100Mbps)	4 TP (10/100Mbps)	4 TP (10/100Mbps)	4 TP (10/100Mbps)
	100M Fiber Port	1 SC (100Mbps)	2 SC (100Mbps)	1 SC (100Mbps)	2 SC (100Mbps)
	1G Fiber Port	-	-	-	-
	Fiber Optic Cable	Single Mode	Single Mode	Multi Mode	Multi Mode
	Connector	SC Type - 2 Core	SC Type - 2 Core	SC Type - 2 Core	SC Type - 2 Core
	Transmission Distance	20km	20km	2km	2km
	Wavelength	1310nm	1310nm	1310nm	1310nm
PoE	PoE Port	-	-	-	-
	PoE Budget	-	-	-	-
Performance	Switch Fabric	1Gbps	1.2Gbps	1Gbps	1.2Gbps
	Throughput	0.74Mpps	0.89Mpps	0.74Mpps	0.89Mpps
	MAC Table	1K	1K	1K	1K
	Jumbo Frame (byte)	-	-	-	-
Power	Input Power	DC 12 ~ 56V	DC 12 ~ 56V	DC 12 ~ 56V	DC 12 ~ 56V
	No-load / Maximum Power	2.4W/3.1W	11W/11.6W	2.4W/3.1W	11W/11.6W
Environmental Conditions	Operating Temperature	-40 ~ 80℃	-40 ~ 80℃	-40 ~ 80℃	-40 ~ 80℃
	Installation Method	DIN-Rail or Wall Mount	DIN-Rail or Wall Mount	DIN-Rail or Wall Mount	DIN-Rail or Wall Mount
	Dimensions (WxDxH)	41.6x86.6x111.9 (mm)	41.6x86.6x111.9 (mm)	41.6x86.6x111.9 (mm)	41.6x86.6x111.9 (mm)
	Weight (kg)	0.4kg	0.4kg	0.4kg	0.4kg

03

Industrial Ethernet Series

Industrial
100M/1G Media Converters



Model		SFC310C
Port	TP Port	1 TP (10/100/1000Mbps)
	100M Fiber Port	-
	1G Fiber Port	1 SFP (100M/1Gbps)
	Fiber Optic Cable	SFP Dependent (SM/MM)
	Connector	SFP Dependent (LC/SC)
	Transmission Distance	SFP Dependent
	Wavelength	SFP Dependent
PoE	PoE Port	-
	PoE Budget	-
Performance	Switch Fabric	4Gbps
	Throughput	2.97Mpps
	MAC Table	2K
	Jumbo Frame (byte)	9,216
Power	Input Power	DC 12 ~ 56V
	No-load / Maximum Power	8.3W/9.7W
Environmental Conditions	Operating Temperature	-40 ~ 80℃
	Installation Method	DIN-Rail Mount
	Dimensions (WxDxH)	33.2x76.5x109.8 (mm)
	Weight (kg)	0.3kg

04 | PoE Series



This is a PoE switch series for connecting various network devices in office and commercial environments. With high-speed Ethernet-based PoE support, it can simultaneously provide data communication and power to network devices such as IP cameras and wireless APs, and can extend data received from PoE switches or injectors through extenders.

1 SONOS

- All product lineups use the same software (SONOS) engine
- Maximizes maintenance efficiency and ensures stability across all devices with SONOS
- Unifies device UX to improve user convenience

2 PoE Injector

- PoE Max. 60Watt (bt), 90Watt (bt) supply
- Overcurrent protection circuit equipped
- SFP model supports optical port for easy array configuration

3 Stability/Compatibility (Managed)

- Soltech S-Ring protocol recovery time < 30ms
- Standard G.8032 ERPS support, compatibility secured < 30ms
- SNMPv2c, SNMPv3 support
- NMS, Syslog, NTP integration available

4 PoE Power Supply Product Line

- IEEE 802.3af/at standard support (model name HP)
- IEEE 802.3af/at/bt standard support (model name BT)
- PoE port user priority setting feature support (managed)
- CRPS power configuration supports detachable/attachable power (SFC4100BT, SFC4152HP)
- Entry-level devices with domestic technology/domestic manufacturing

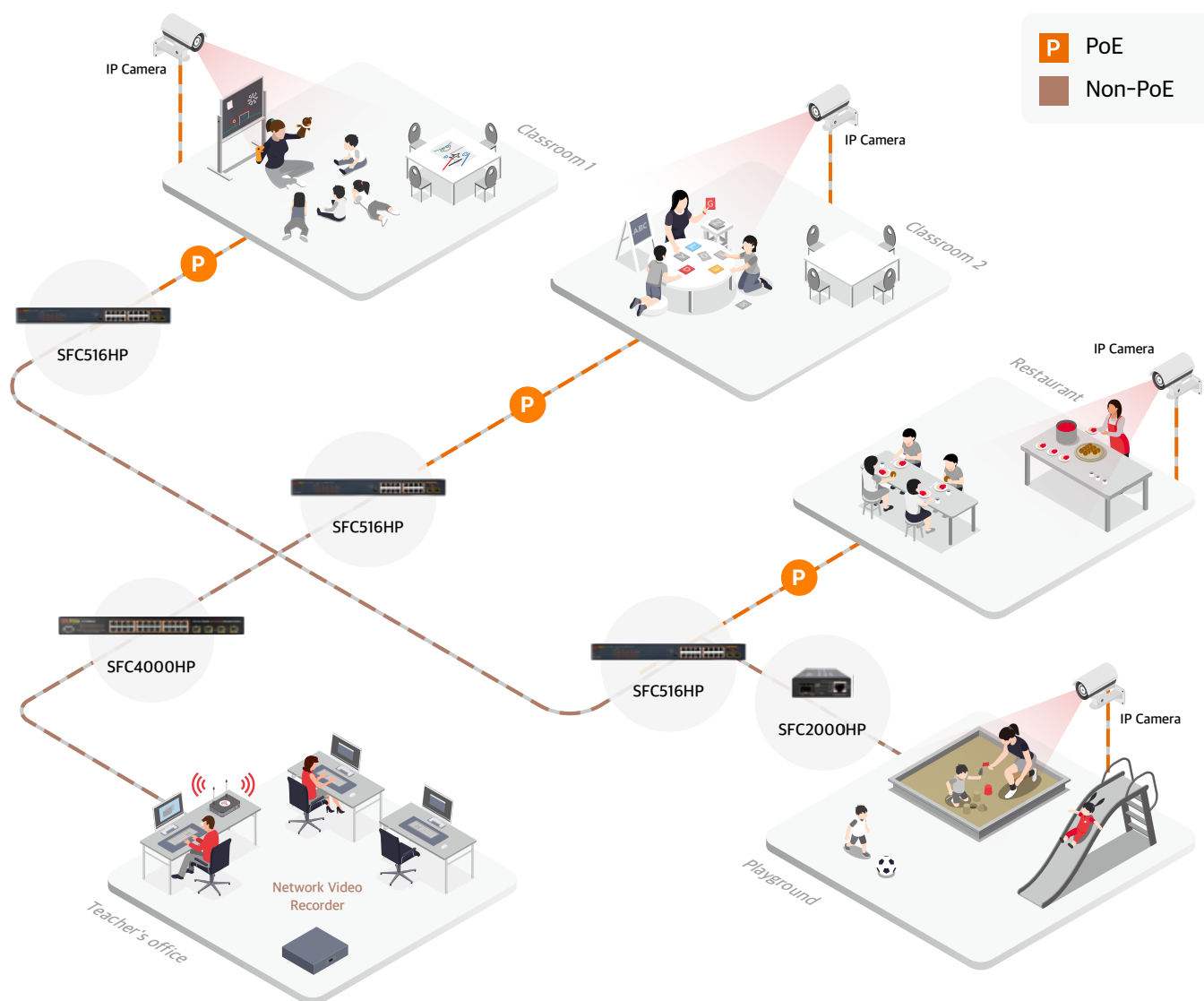
5 Convenient Management and Maintenance (Managed)

- Soltech device search program ScanManager for MAC/IP/Model/Serial/S-Ring configuration and status verification
- Web, Console, Telnet, SSH, etc. support
- Dual-Bank NOS, Dual-Bank Config support

6 Long Reach PoE

- SFC510LRP: Long-distance transmission PoE switch / SFC503: Long-distance transmission PoE extender
- UTP section communication distance 500m / 1.5km transmission possible when configured as SFC510LRP ↔ SFC503 ↔ SFC503 ↔ SFC503

Daycare and Kindergarten Network Solution



Key Features

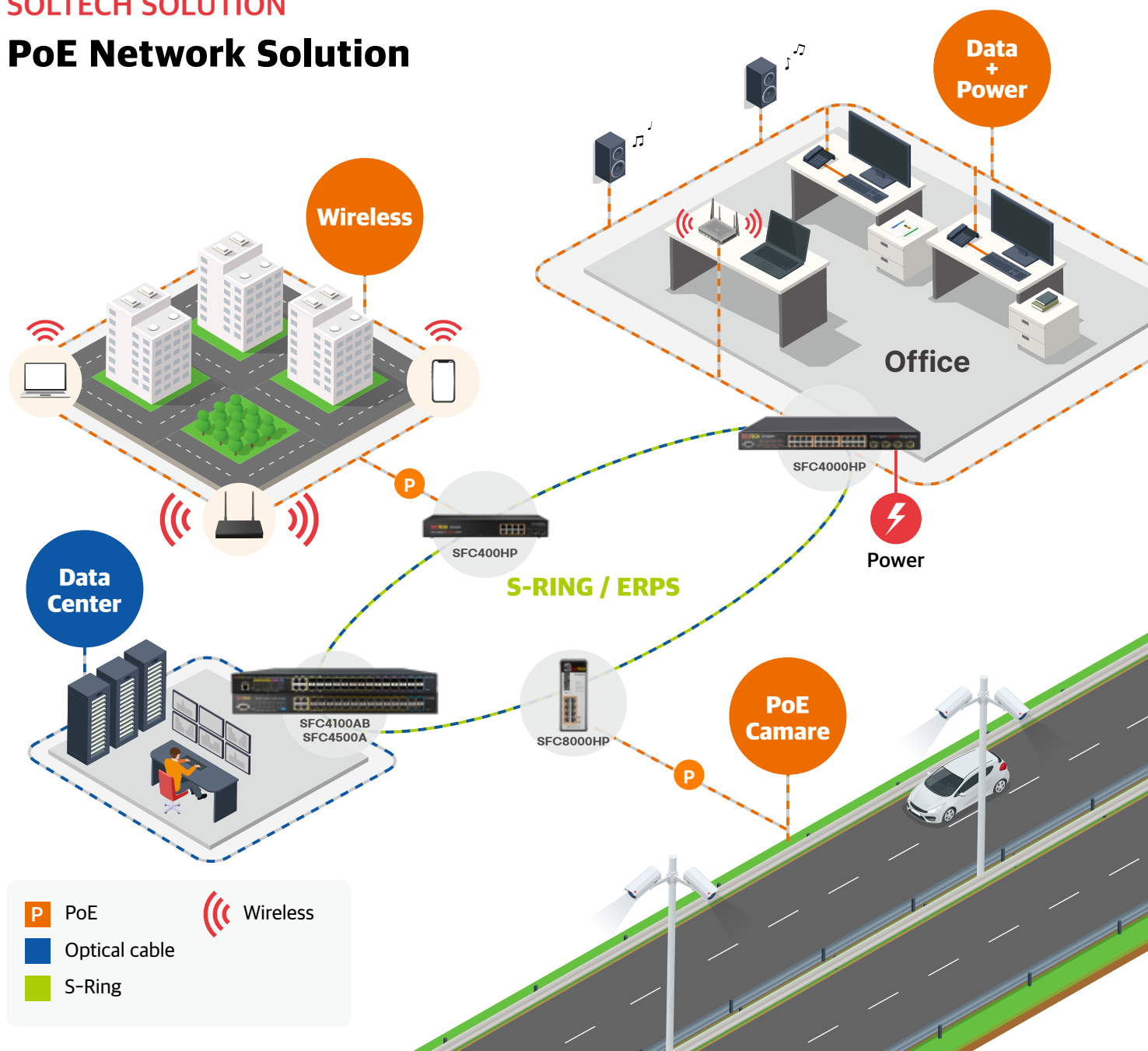
The Daycare and Kindergarten Network Solution provides infrastructure that enables focus on education and care through stable video transmission and enhanced security communication environment.

By applying PoE-supporting switches for CCTV and home camera deployment and managing video traffic efficiently through VLAN-based network segmentation, it strengthens both security and stability.

Managed PoE 1G Switch SFC4000HP	Unmanaged PoE 1G Switch SFC516HP	PoE Media Converter SFC2000HP
		
24 TP (10/100/1000Mbps) + 4 SFP (100M/1Gbps), 2 Combo (P23, 24), 24 PoE (af/at), PoE Max. 380W	16 TP (10/100/1000Mbps) + 2 SFP (1Gbps), 16 PoE (af/at), PoE Max. 230W	1 TP (10/100/1000Mbps) + 1 SFP (1Gbps), 1 PoE (af/at), PoE Max. 24W

SOLTECH SOLUTION

PoE Network Solution



| Key Features

The PoE Network Solution provides efficient network infrastructure that simultaneously performs power supply and data transmission.

As a network solution based on PoE-supporting network switches SFC8000HP, SFC4000HP, and SFC400HP, it enables stable power supply to network devices. The main network is configured with 1G S-Ring or ERPS redundancy architecture, supporting stable communication and continuous operation even in various PoE environments such as CCTV and wireless AP.

| Product/Service

- ✓ Monitoring System
- ✓ FA LAN System
- ✓ ITS
- ✓ Urban Wi-fi System
- ✓ Office VoIP Phone & PC
- ✓ CCTV System

Managed 10G Switch SFC4100AB	Managed 10G Switch SFC4500A	Industrial Managed PoE 1G/2.5G Switch SFC8000HP	Managed PoE 1G Switch SFC4000HP	Managed PoE 1G Switch SFC400HP
				
4 TP (10/100/1000Mbps) + 16 SFP (100M/1Gbps), 4 Combo (P1 ~ 4) + 8 SFP (100M/1G/2.5Gbps) + 4 SFP+ (100M/1G/10Gbps)	4 TP (10/100/1000Mbps) + 24 SFP (100M/1Gbps), 4 Combo (P1 ~ 4) + 4 SFP+ (10Gbps)	8 TP (10/100/1000Mbps) + 2 SFP (100M/1G/2.5Gbps), 8 PoE (af/at), PoE Max. 240W, Op. Temp -40 ~ 80°C	24 TP (10/100/1000Mbps) + 4 SFP (100M/1Gbps), 2 Combo (P23, 24), 24 PoE (af/at), PoE Max. 380W	8 TP (10/100/1000Mbps) + 2 SFP (100M/1Gbps), 8 PoE (af/at), PoE Max. 120W

04

PoE Series

Managed
PoE 1G Switches



Model		SFC414HP	SFC400HP	SFC4000HP
Port	TP Port	12 TP (10/100/1000Mbps)	8 TP (10/100/1000Mbps)	24 TP (10/100/1000Mbps), 2 Combo
	1G Fiber Port	2 SFP (100M/1Gbps)	2 SFP (100M/1Gbps)	4 SFP (100M/1Gbps), 2 Combo
	2.5G Fiber Port	-	-	-
	10G Fiber Port	-	-	-
	Console	O	-	DB9 (F)
PoE	PoE Port	12 PoE (af/at)	8 PoE (af/at)	24 PoE (af/at)
	PoE Budget	PoE Max. 240W	PoE Max. 120W	PoE Max. 380W
Performance	Switch Fabric	28Gbps	20Gbps	52Gbps
	Throughput	20.83Mpps	14.88Mpps	38.68Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB
	MAC Table	8K	8K	8K
	Jumbo Frame (byte)	9,600	9,600	9,600
Power	Power Redundancy	-	-	-
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	11.1W/252.3W	5.7W/120.4W	25.4W/432.6W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	310x248.8x44 (mm)	330.5x152.9x44.1 (mm)	439.2x300x44 (mm)
	Weight (kg)	2.7kg	1.9kg	4.9kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	X	X	X
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH /Telnet Server	O	O	O
	IEEE 1588v2 PTP (TC)	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	X	X	X

04

PoE Series

Managed
PoE 10G Switches



Model		SFC4100HP	SFC4100BT	Scheduled for Release in Q4 SFC4152HP
Port	TP Port	24 TP (10/100/1000Mbps)	24 TP (10/100/1000Mbps)	48 TP (10/100/1000Mbps)
	1G Fiber Port	-	-	-
	2.5G Fiber Port	-	-	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps)
	Console	O	O	O
PoE	PoE Port	24 PoE (af/at)	16 PoE (af/at) + 8 PoE (af/at/bt)	48 PoE (af/at)
	PoE Budget	PoE Max. 400W	PoE Max. 840W	PoE Max. 520W
Performance	Switch Fabric	128Gbps	128Gbps	176Gbps
	Throughput	95.23Mpps	95.23Mpps	130.94Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB	512MB/16MB
	MAC Table	32K	32K	32K
	Jumbo Frame (byte)	10,240	10,240	10,240
Power	Power Redundancy	-	O	O
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	36.3W/446.3W	26W/945.7W	-
Environmental Conditions	Operating Temperature	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	439.2x330x44 (mm)	440x349x44 (mm)	440x358x44 (mm)
	Weight (kg)	5.2kg	6.4kg	-
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	O	O	O
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH Server	O	O	O
	Telnet Server	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	X	X	X

04

PoE Series

Entry-Level
PoE 1G Switches



Model		SFC505GHP	SFC510HP	SFC516HP	SFC524HP
Port	TP Port	5 TP (10/100/1000Mbps)	10 TP (10/100/1000Mbps)	16 TP (10/100/1000Mbps)	24 TP (10/100/1000Mbps)
	1G 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 Budget	PoE Max. 60W	PoE Max. 125W	PoE Max. 230W	PoE Max. 380W
Performance	Switch Fabric	10Gbps	20Gbps	36Gbps	52Gbps
	Throughput	7.44Mpps	14.88Mpps	26.78Mpps	38.68Mpps
	MAC Table	2K	4K	8K	8K
	Jumbo Frame (byte)	9,216	9,216	9,216	9,216
Power	Power Redundancy	-	-	-	-
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	1.6W/74.2W	6.7W/150.4W	15.1W/274.6W	13.8W/339W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	185.4x123x44 (mm)	280x180x44 (mm)	439.2x208x44 (mm)	439.2x208x44 (mm)
	Weight (kg)	0.7kg	1.7kg	3.2kg	3.4kg

04

PoE Series

Entry-Level Long-Range
PoE Switches / Extenders



Model		SFC510LRP	SFC503
Port	TP Port	8 TP (10/100Mbps) + 1 TP (10/100/1000Mbps)	2 TP (10/100Mbps)
	1G Fiber Port	1 SFP (1Gbps)	-
PoE	PoE Port	8 PoE (af/at)	1 PoE (af/at)
	PoE Budget	PoE Max. 115W	PoE Max. 23W
Performance	Switch Fabric	5.6Gbps	-
	Throughput	4.16Mpps	-
	MAC Table	8K	-
	Jumbo Frame (byte)	9,216	-
Power	Power Redundancy	-	-
	Input Power	AC 100 ~ 240V	PoE PD, DC 48 ~ 56V
	No-load / Maximum Power	2.7W/137W	1.7W/37.1W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 50℃
	Installation Method	Rack Mount	Wall Mount
	Dimensions (WxDxH)	280x191x44 (mm)	87.4x96.8x26 (mm)
	Weight (kg)	1.8kg	0.2kg

04

PoE Series

PoE Injectors



Model		SFC501G	SFC501BT60	SFC501BT60-SFP	SFC501BT90	SFC501BT90-SFP
Port	TP Port	2 TP (10/100/1000Mbps)	2 TP (10/100/1000M/2.5G/5Gbps)	2 TP (10/100/1000Mbps)	2 TP (10/100/1000M/2.5G/5Gbps)	2 TP (10/100/1000Mbps)
	1G Fiber Port	-	-	1 SFP (1Gbps)	-	1 SFP (1Gbps)
PoE	Type	PoE Injector	PoE Injector	PoE Injector	PoE Injector	PoE Injector
	PoE Port	1 PoE(af/at)	1 PoE(af/at/bt)	1 PoE(af/at/bt)	1 PoE(af/at/bt)	1 PoE(af/at/bt)
	PoE Budget	PoE Max. 60W	PoE Max. 60W	PoE Max. 60W	PoE Max. 90W	PoE Max. 90W
Performance	PoE Pin Assignment	A Pair : 1/2 (+), 3/6 (-) / B Pair : 4/5 (+), 7/8 (-)				
Power	Power Redundancy	-	-	-	-	-
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load Power	0.2W	2.4W	1.9W	3.1W	1.8W
	Maximum Power	68.9W	75.2W	75.8W	102.3W	110.5W
Environmental Conditions	Operating Temperature	-20 ~ 45°C	-40 ~ 65°C	-40 ~ 65°C	-40 ~ 65°C	-40 ~ 65°C
	Installation Method	Wall Mount	Wall Mount	Wall Mount	Wall Mount	Wall Mount
	Dimensions (WxDxH)	62.5x138.5x31.8 (mm)	116.4x170x44 (mm)	116.4x200x44 (mm)	116.4x170x44 (mm)	116.4x200x44 (mm)
	Weight (kg)	0.3kg	0.7kg	0.8kg	0.7kg	0.8kg

04

PoE Series

PoE Inserters



Model		SFC502
Port	TP Port	2 TP (10/100Mbps)
	Fiber Port	-
PoE	Type	PoE Extender
	PoE Port	1 PoE (af/at)
	PoE Budget	PoE Max. 15W
Performance	PoE Pin Assignment	Only A Pair
Power	Power Redundancy	-
	Input Power	PoE PD, DC 48 ~ 56V
	No-load Power	1.1W
	Maximum Power	19.8W
Environmental Conditions	Operating Temperature	0 ~ 50℃
	Installation Method	Wall Mount
	Dimensions (WxDxH)	68.4x89.4x25 (mm)
	Weight (kg)	0.2kg

04

PoE Series

PoE Fiber Media Converters



Model		SFC2000HP
Port	TP Port	1 TP (10/100/1000Mbps)
	100M Fiber Port	-
	1G Fiber Port	1 SFP (1Gbps)
	Fiber Optic Cable	SFP Dependent (SM/MM)
	Connector	SFP Dependent (SC/LC)
	Transmission Distance	SFP Dependent
	Wavelength	SFP Dependent
PoE	PoE Port	1 PoE (af/at)
	PoE Budget	PoE Max. 24W
Performance	Jumbo Frame (byte)	-
Power	Input Power	DC 48 ~ 56V
	No-load / Maximum Power	1.1W/47.2W
Environmental Conditions	Operating Temperature	0 ~ 50℃
	Installation Method	Wall Mount
	Dimensions (WxDxH)	70.2x94.7x26.3 (mm)
	Weight (kg)	0.1kg

05 | Ethernet Series



This is an Ethernet switch series for configuring access networks in office, commercial, and communication environments. Based on Gigabit Ethernet, it enables flexible installation and configuration, supporting stable connectivity in various network environments. Based on accumulated optical transmission technology and field operation know-how, this complete transmission equipment lineup delivers video and data signals without disruption even over long distances. With proven stability, robust design, and high compatibility with various systems, it provides trusted solutions for core transmission sections in monitoring, security, and industrial infrastructure.

1 SONOS

- All product lineups use the same software (SONOS) engine
- Maximizes maintenance efficiency and ensures stability across all devices with SONOS
- Unifies device UX to improve user convenience

2 Unmanaged Switch

- 100Mbps optical port support switch (SFC400F series)
- 19-inch rack mountable (except SFC300G)
- DC 12V input power, wall-mount bracket provided (SFC300G)

3 Stability/Compatibility (Managed)

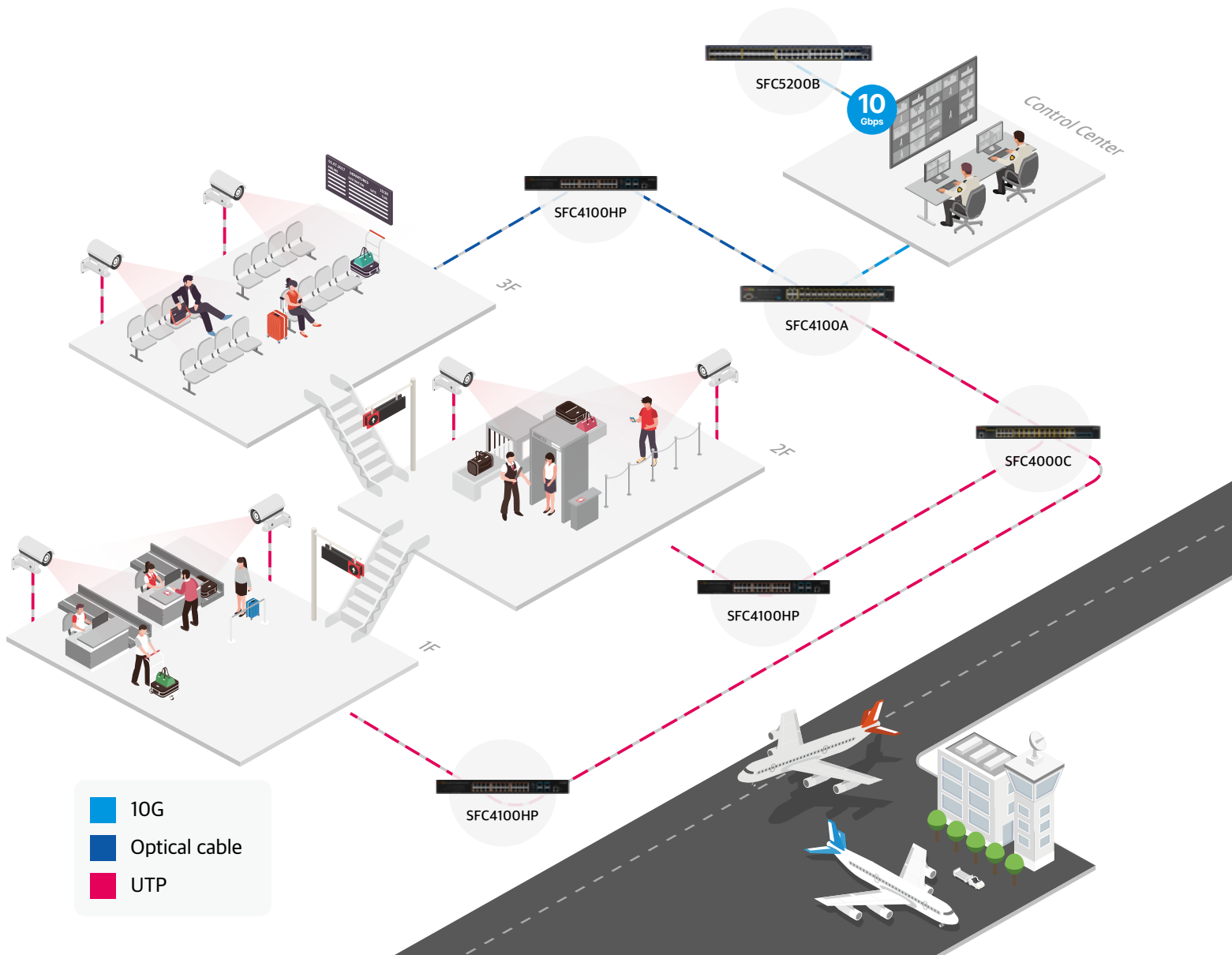
- Soltech S-Ring protocol recovery time < 30ms
- Standard G.8032 ERPS support, compatibility secured < 30ms
- SNMPv2c, SNMPv3 support
- NMS, Syslog, NTP integration available

4 Convenient Management and Maintenance (Managed)

- Soltech device search program ScanManager for MAC/IP/Model/Serial/S-Ring configuration and status verification
- Web, Console, Telnet, SSH, etc. support
- Dual-Bank NOS, Dual-Bank Config support

SOLTECH SOLUTION

Airport CCTV Solution



Key Features

The Airport CCTV Communication Solution provides high-reliability network infrastructure for stable processing of large-scale video data.

With SFC4100A configured as a distribution switch and multiple PoE switches connected hierarchically, it efficiently accommodates CCTV equipment across the entire airport. Through L3 switch SFC5200B and 10Gbps backbone configuration, it stably transmits high-capacity video traffic.

Managed 10G Switch SFC4100A	10G /L2 Managed Switch SFC4000C	Managed PoE 10G Switch SFC4100HP	1G /10G /L3 Managed Switch SFC5200B
			
4 TP (10/100/1000Mbps) + 24 SFP (100M/1Gbps), 4 Combo (P1 ~ 4) + 4 SFP+ (10Gbps), Not support S-ring	8 TP (10/100/1000Mbps) + 24 SFP (100M/1Gbps) + 4 SFP+ (1G/10Gbps), 8Combo	24 TP (10/100/1000Mbps) + 4 SFP+ (100M/1G/10Gbps), 24 PoE (af/at), PoE Max. 400W	24 TP (10/100/1000Mbps) + 24 SFP (1Gbps) + 6 SFP+ (1G/10Gbps)

Long-Reach PoE Solution

The diagram illustrates a smart building network architecture. It features a 3D isometric view of a building with various rooms and outdoor areas. The network is composed of several key components and connections:

- Legend:**
 - PoE:** Represented by an orange circle with a 'P'.
 - Optical cable:** Represented by a blue line.
- Devices and Components:**
 - SFC503:** A small network device, likely a switch or router, located in the top-left room.
 - SFC501BT60:** A network device, likely a switch or router, located in the top-right room.
 - SFC400HP:** A network device, likely a switch or router, located in the middle-right room.
 - SFC2000TL:** A network device, likely a switch or router, located in the bottom-left room.
 - SFC8000G:** A network device, likely a switch or router, located in the bottom-middle room.
 - SFC510LRP:** Two network devices, likely switches or routers, located in the bottom-left and bottom-right rooms.
 - MDR:** A network device, likely a switch or router, located in the bottom-middle room.
 - 5G:** A red circle with '5G' text, indicating a 5G network connection point.
 - Router:** Multiple routers are shown in various rooms, connected to the network.
 - CCTV:** Multiple CCTV cameras are shown in various rooms, connected to the network.
 - PC:** A personal computer is shown in the middle-right room, connected to the network.
- Connections:**
 - PoE Connections:** Indicated by orange dashed lines with 'P' markers, connecting devices to power sources.
 - Optical Cable Connections:** Indicated by blue lines, connecting devices to the network backbone.
 - Long Reach PoE:** A label indicating a long-reach PoE connection along the building's perimeter.
- Room Layout:** The building is divided into several rooms, including a kitchen, living area, office, and storage area, each equipped with different network devices and components.

- IOT PoE
- Direct PC LAN
- PoE for CCTV

1 TP (10/100/1000Mbps) +
1 Fiber (1Gbps),
SC-Single Mode 20km, 1310nm

05

Ethernet Series

Managed 1G Switches



Model		SFC400GM	SFC4500T	SFC4500T(DC)
Port	TP Port	8 TP (10/100/1000Mbps)	24 TP (10/100/1000Mbps), 2 Combo	24 TP (10/100/1000Mbps), 2 Combo
	1G Fiber Port	2 SFP (100M/1Gbps)	4 SFP (100M/1Gbps), 2 Combo	4 SFP (100M/1Gbps), 2 Combo
	2.5G Fiber Port	-	-	-
	10G Fiber Port	-	-	-
	Console	-	DB9 (F)	DB9 (F)
PoE	PoE Port	-	-	-
	PoE Budget	-	-	-
Performance	Switch Fabric	20Gbps	52Gbps	52Gbps
	Throughput	14.88Mpps	38.68Mpps	38.68Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB
	MAC Table	8K	8K	8K
	Jumbo Frame (byte)	9,600	9,600	9,600
Power	Power Redundancy	-	-	0
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V, DC 38V ~ 60V
	No-load / Maximum Power	3.7W/7.9W	9.7W/19.7W	AC 23.3W/32.4W, DC 11.3W/20.7W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	217x155x44 (mm)	439.2x300x44 (mm)	439.2x300x44 (mm)
	Weight (kg)	1.2kg	3.7kg	3.8kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	O	O	O
	S-RING	O	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	X	X	X
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH /Telnet Server	O	O	O
	IEEE 1588v2 PTP (TC)	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	X	X	X

05

Ethernet Series

Managed 10G Switches



Model		SFC4100A	SFC4500A	SFC4500A(DC)
Port	TP Port	4 TP (10/100/1000Mbps), 4 Combo	4 TP (10/100/1000Mbps), 4 Combo	4 TP (10/100/1000Mbps), 4 Combo
	1G Fiber Port	24 SFP (100M/1Gbps), 4 Combo	24 SFP (100M/1Gbps), 4 Combo	24 SFP (100M/1Gbps), 4 Combo
	2.5G Fiber Port	-	-	-
	10G Fiber Port	4 SFP+ (10Gbps)	4 SFP+ (10Gbps)	4 SFP+ (10Gbps)
	Console	O	O	O
PoE	PoE Port	-	-	-
	PoE Budget	-	-	-
Performance	Switch Fabric	128Gbps	128Gbps	128Gbps
	Throughput	95.23Mpps	95.23Mpps	95.23Mpps
	RAM/Flash Memory	128MB/16MB	128MB/16MB	128MB/16MB
	MAC Table	32K	32K	32K
	Jumbo Frame (byte)	4,776	4,776	4,776
Power	Power Redundancy	-	-	O
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V, DC 38 ~ 60V
	No-load / Maximum Power	14.9W/33.6W	14.9W/33.6W	AC 28.6W/49.9W, DC 17.1W/35.6W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	439.2x203x44 (mm)	439.2x203x44 (mm)	439.2x273x44 (mm)
	Weight (kg)	2.9kg	2.9kg	3.5kg
Supported Features	STP/RSTP/MSTP	O	O	O
	802.1Q VLAN	O	O	O
	IEEE 802.1x	O	O	O
	GVRP	O	O	O
	Aggregation (LACP)	O	O	O
	IGMP Snooping	O	O	O
	G.8032 ERPS	X	O	O
	S-RING	X	O	O
	Backup Link	O	O	O
	Inter-VLAN Routing	O	O	O
	Mirroring	O	O	O
	Web (http/https)	O	O	O
	SSH Server	O	O	O
	Telnet Server	O	O	O
	NMS via SNMP	O	O	O
	Access Control List	O	O	O
	Dual NOS	O	O	O
	Security Features Verification Certificate	X	X	X

05

Ethernet Series

Managed 10G Switches



Model		SFC4100AB	SFC4100T
Port	TP Port	4 TP (10/100/1000Mbps), 4 Combo	24 TP (10/100/1000Mbps)
	1G Fiber Port	16 SFP (100M/1Gbps), 4 Combo	-
	2.5G Fiber Port	8 SFP (100M/1G/2.5Gbps)	-
	10G Fiber Port	4 SFP+ (100M/1G/10Gbps)	4 SFP+ (100M/1G/10Gbps)
	Console	O	O
PoE	PoE Port	-	-
	PoE Budget	-	-
Performance	Switch Fabric	152Gbps	128Gbps
	Throughput	113.08Mpps	95.23Mpps
	RAM/Flash Memory	512MB/16MB	512MB/16MB
	MAC Table	32K	32K
	Jumbo Frame (byte)	10,240	10,240
Power	Power Redundancy	-	-
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	13.4W/37.3W	15.1W/26.9W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount
	Dimensions (WxDxH)	439.2x225x44 (mm)	439.2x330x44 (mm)
	Weight (kg)	3.2kg	4kg
Supported Features	STP/RSTP/MSTP	O	O
	802.1Q VLAN	O	O
	IEEE 802.1x	O	O
	GVRP	O	O
	Aggregation (LACP)	O	O
	IGMP Snooping	O	O
	G.8032 ERPS	O	O
	S-RING	O	O
	Backup Link	O	O
	Inter-VLAN Routing	O	O
	Mirroring	O	O
	Web (http/https)	O	O
	SSH Server	O	O
	Telnet Server	O	O
	NMS via SNMP	O	O
	Access Control List	O	O
	Dual NOS	O	O
	Security Features Verification Certificate	X	X

05

Ethernet Series

1G Switches



Model		SOLTECH2600	SFC300G
Port	TP Port	24 TP (10/100/1000Mbps)	2 TP (10/100/1000Mbps)
	1G Fiber Port	2 SFP (1Gbps)	2 SFP (1Gbps)
PoE	PoE Port	-	-
	PoE Budget	-	-
Performance	Switch Fabric	52Gbps	8Gbps
	Throughput	38.68Mpps	5.95Mpps
	MAC Table	8K	1K
	Jumbo Frame (byte)	9,216	9,216
Power	Power Redundancy	-	-
	Input Power	AC 100 ~ 240V	DC 12V
	No-load / Maximum Power	5.3W/16.2W	1.8W/7.3W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Wall Mount
	Dimensions (WxDxH)	439.2x180x44 (mm)	98.4x104.8x26.2 (mm)
	Weight (kg)	2.4kg	0.3kg

05

Ethernet Series

100M Switches



Model		SFC400SCS	SFC400SCS2	SFC400SCS4	SFC400SCS6
Port	TP Port	7 TP (10/100Mbps)	6 TP (10/100Mbps)	4 TP (10/100Mbps)	2 TP (10/100Mbps)
	100M Fiber Port	1 SC (100Mbps)	2 SC (100Mbps)	4 SC (100Mbps)	6 SC (100Mbps)
	1G Fiber Port	-	-	-	-
	Fiber Optic Cable	Single Mode	Single Mode	Single Mode	Single Mode
	Connector	SC Type - 2 Core	SC Type - 2 Core	SC Type - 2 Core	SC Type - 2 Core
	Transmission Distance	20km	20km	20km	20km
	Wavelength	1310nm	1310nm	1310nm	1310nm
Performance	Switch Fabric	1.6Gbps	1.6Gbps	1.6Gbps	1.6Gbps
	Throughput	1.19Mpps	1.19Mpps	1.19Mpps	1.19Mpps
	MAC Table	1K	1K	2K	2K
Power	Power Redundancy	-	-	-	-
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	2.7W/5.6W	5.4W/7.8W	10.1W/12.2W	12.8W/14.5W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	240x165x35 (mm)	240x165x35 (mm)	316.8x150x35 (mm)	316.8x150x35 (mm)
	Weight (kg)	1.3kg	1.3kg	1.5kg	1.5kg

05

Ethernet Series

100M Switches



Model		SFC400SCM	SFC400SCM2	SFC400SCM4	SFC400SCM6
Port	TP Port	7 TP (10/100Mbps)	6 TP (10/100Mbps)	4 TP (10/100Mbps)	2 TP (10/100Mbps)
	100M Fiber Port	1 SC (100Mbps)	2 SC (100Mbps)	4 SC (100Mbps)	6 SC (100Mbps)
	1G Fiber Port	-	-	-	-
	Fiber Optic Cable	Multi Mode	Multi Mode	Multi Mode	Multi Mode
	Connector	SC Type - 2 Core	SC Type - 2 Core	SC Type - 2 Core	SC Type - 2 Core
	Transmission Distance	2km	2km	2km	2km
	Wavelength	1310nm	1310nm	1310nm	1310nm
Performance	Switch Fabric	1.6Gbps	1.6Gbps	1.6Gbps	1.6Gbps
	Throughput	1.19Mpps	1.19Mpps	1.19Mpps	1.19Mpps
	MAC Table	1K	1K	2K	2K
Power	Power Redundancy	-	-	-	-
	Input Power	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V	AC 100 ~ 240V
	No-load / Maximum Power	2.7W/5.6W	5.4W/7.8W	10.1W/12.2W	12.8W/14.5W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	240x165x35 (mm)	240x165x35 (mm)	316.8x150x35 (mm)	316.8x150x35 (mm)
	Weight (kg)	1.3kg	1.3kg	1.5kg	1.5kg

06 | Media Converter



This is a media converter series for expanding connectivity between Ethernet and optical networks. It flexibly resolves constraints of transmission media and distance, enabling efficient expansion of existing network environments. With HD video (4K/30Hz) extenders and various serial and coaxial-based video and data signal transmission solutions, it enables easy expansion to Ethernet and optical networks, providing optimal connectivity and flexible system configuration in industrial, security, and monitoring environments requiring long-distance transmission and stability.

1 Optical Converter and Chassis

- UTP To Fiber (SFP) Converter (100M/1G)
- DC 5V or 12V input power by series (standalone) / AC 220V input power (built-in power)
- Wall-mountable
- Chassis-type operation available (CENTER12/12D/16/16D)

2 Video Extender

- Video extender supporting up to 4K 30FPS
- Supports various configurations: 1:1, 1:N, N:N
- PoE PD feature support

3 Transmission Converter

- Serial Media Converter: SFC100-232/485, 485SFP, RING
- Serial TO Ethernet: SFC100-SE
- Video Optical Link: Provides Video, Audio, Contact Closure configuration through various options
- Coaxial Converter: Coaxial cable transmission equipment

06

Media Converter

100M Fiber Media Converter



Model		SFC200-SCS	SFC200-SCM	SFC200-STM	SFC200-SCSW
Port	TP Port	1 TP (10/100Mbps)	1 TP (10/100Mbps)	1 TP (10/100Mbps)	1 TP (10/100Mbps)
	100M Fiber Port	1 SC (100Mbps)	1 SC (100Mbps)	1 ST (100Mbps)	1 SC (100Mbps)
	Fiber Optic Cable	Single Mode	Multi Mode	Multi Mode	Single Mode (WDM)
	Connector	SC Type - 2 Core	SC Type - 2 Core	ST Type - 2 Core	SC Type - 1 Core
	Transmission Distance	20km	2km	2km	20km
	Wavelength	1310nm	1310nm	1310nm	A : 1550/1310nm, B : 1310/1550nm
Power	Input Power	DC 5V	DC 5V	DC 5V	DC 5V
	No-load / Maximum Power	1.9W/2.7W	1.9W/2.7W	1.9W/2.7W	1.9W/2.7W
Environmental Conditions	Operating Temperature	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃
	Installation Method	Wall Mount	Wall Mount	Wall Mount	Wall Mount
	Dimensions (WxDxH)	70.5x94x26 (mm)	70.5x94x26 (mm)	70.5x94x26 (mm)	70.5x94x26 (mm)
	Weight (kg)	0.1kg	0.1kg	0.1kg	0.1kg
Modular	Model Type	SFC200-SCS/M12, SFC200-SCS/M16	SFC200-SCM/M12, SFC200-SCM/M16	SFC200-STM/M12, SFC200-STM/M16	SFC200-SCW/M12, SFC200-SCW/M16
	Applicable Products	CENTER (12/12D/16/16D)	CENTER (12/12D/16/16D)	CENTER (12/12D/16/16D)	CENTER (12/12D/16/16D)
	Dimensions (WxDxH)	M12 : 85x95x29.8 (mm), M16 : 87x95x25.5 (mm)	M12 : 85x95x29.8 (mm), M16 : 87x95x25.5 (mm)	M12 : 85x95x29.8 (mm), M16 : 87x95x25.5 (mm)	M12 : 85x95x29.8 (mm), M16 : 87x95x25.5 (mm)

06

Media Converter

100M Fiber Media Converter



Model		SFC200-SCS/I	SFC200-SCM/I	SFC200-SCSW/I	SFC200-STM/I
Port	TP Port	1 TP (10/100Mbps)	1 TP (10/100Mbps)	1 TP (10/100Mbps)	1 TP (10/100Mbps)
	100M Fiber Port	1 SC (100Mbps)	1 SC (100Mbps)	1 SC (100Mbps)	1 ST (100Mbps)
	Fiber Optic Cable	Single Mode	Multi Mode	Single Mode (WDM)	Multi Mode
	Connector	SC Type - 2 Core	SC Type - 2 Core	SC Type - 1 Core	ST Type - 2 Core
	Transmission Distance	20km	2km	20km	2km
	Wavelength	1310nm	1310nm	A : 1550/1310nm, B : 1310/1550nm	1310nm
Power	Input Power	AC 220V	AC 220V	AC 220V	AC 220V
	No-load / Maximum Power	2.6W/3.2W	2.6W/3.2W	2.6W/3.2W	2.6W/3.2W
Environmental Conditions	Operating Temperature	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃
	Installation Method	Wall Mount	Wall Mount	Wall Mount	Wall Mount
	Dimensions (WxDxH)	118x184x34 (mm)	118x184x34 (mm)	118x184x34 (mm)	118x184x34 (mm)
	Weight (kg)	0.7kg	0.7kg	0.7kg	0.7kg

06

Media Converter

1G Fiber Media Converter



Model		SFC2000-TL	SFC2000-TS	SFC2000-TWL	SFC2000-SFP
Port	TP Port	1 TP (10/100/1000Mbps)	1 TP (10/100/1000Mbps)	1 TP (10/100/1000Mbps)	1 TP (10/100/1000Mbps)
	100M Fiber Port	-	-	-	-
	1G Fiber Port	1 SC (1Gbps)	1 SC (1Gbps)	1 SC (1Gbps)	1 SFP (1Gbps)
	Fiber Optic Cable	Single Mode	Multi Mode	Single Mode (WDM)	SFP Dependent (SM/MM)
	Connector	SC Type - 2 Core	SC Type - 2 Core	SC Type - 1 Core	SFP Dependent (SC/LC)
	Transmission Distance	20km	220m/550m	20km	SFP Dependent
	Wavelength	1310nm	850nm	A : 1550/1310nm, B: 1310/1550nm	SFP Dependent
Performance	Jumbo Frame (byte)	-	-	-	-
Power	Input Power	DC 12V	DC 12V	DC 12V	DC 12V
	No-load / Maximum Power	2.8W/5W	2.8W/5W	2.8W/5W	1.1W/2.2W
Environmental Conditions	Operating Temperature	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃
	Installation Method	Wall Mount	Wall Mount	Wall Mount	Wall Mount
	Dimensions (WxDxH)	70.5x94x26 (mm)	70.5x94x26 (mm)	70.5x94x26 (mm)	70.5x94x26 (mm)
	Weight (kg)	0.1kg	0.1kg	0.1kg	0.1kg
Modular	Model Type	SFC2000-TL/M16	SFC2000-TS/M16	SFC2000-TWL/M16	SFC2000-SFP/M16
	Applicable Products	CENTER (16G/16GD)	CENTER (16G/16GD)	CENTER (16G/16GD)	CENTER (16G/16GD)
	Dimensions (WxDxH)	87x95x25.5 (mm)	87x95x25.5 (mm)	87x95x25.5 (mm)	87x95x25.5 (mm)

06

Media Converter

1G Fiber Media Converter



Model		SFC2000MF	SFC2000-TL/I	SFC2000-TS/I	SFC2000-TWL/I	SFC2000-SFP/I
Port	TP Port	1 TP (10/100/1000Mbps)	1 TP (10/100/1000Mbps)	1 TP (10/100/1000Mbps)	1 TP (10/100/1000Mbps)	1 TP (10/100/1000Mbps)
	100M Fiber Port	-	-	-	-	-
	1G Fiber Port	1 SFP (100M/1Gbps)	1 SC (1Gbps)	1 SC (1Gbps)	1 SC (1Gbps)	1 SFP (1Gbps)
	Fiber Optic Cable	SFP Dependent (SM/MM)	Single Mode	Multi Mode	Single Mode (WDM)	SFP Dependent (SM/MM)
	Connector	SFP Dependent (SC/LC)	SC Type - 2 Core	SC Type - 2 Core	SC Type - 1 Core	SFP Dependent (SC/LC)
	Transmission Distance	SFP Dependent	20km	220m/550m	20km	SFP Dependent
	Wavelength	SFP Dependent	1310nm	850nm	A : 1550/1310nm, B: 1310/1550nm	SFP Dependent
Performance	Jumbo Frame (byte)	9,216	-	-	-	-
Power	Input Power	DC 12V	AC 220V	AC 220V	AC 220V	AC 220V
	No-load / Maximum Power	0.8W/2W	2.9W/5.5W	2.9W/5.5W	2.9W/5.5W	1.7W/5.1W
Environmental Conditions	Operating Temperature	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃
	Installation Method	Wall Mount	Wall Mount	Wall Mount	Wall Mount	Wall Mount
	Dimensions (WxDxH)	70.5x94x26 (mm)	118x184x34 (mm)	118x184x34 (mm)	118x184x34 (mm)	118x184x34 (mm)
	Weight (kg)	0.1kg	0.7 kg	0.7 kg	0.7 kg	0.7kg

06

Media Converter

Chassis-Type
Fiber Media Converter



Model		SFC-CENTER12	SFC-CENTER12D	SFC-CENTER16	SFC-CENTER16D
Port	Media Converter	SFC200 Series	SFC200 Series	SFC200 Series	SFC200 Series
	Slot	12 Slot	12 Slot	16 Slot	16 Slot
Power	Power Redundancy	-	O	-	O
	Input Power	AC 220V	AC 220V	AC 220V	AC 220V
	No-load / Maximum Power	21.8W/30W	21.8W/30W	30.7W/41.7W	30.7W/41.7W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount	Rack Mount	Rack Mount
	Dimensions (WxDxH)	440.8x280x89 (mm)	440.8x280x89 (mm)	440.8x280x89 (mm)	440.8x280x89 (mm)
	Weight (kg)	4.9kg + 0.1kg per Module (Max 12modules)	5.2kg + 0.1kg per Module (Max 12modules)	4.9kg + 0.1kg per Module (Max 16modules)	5.3kg + 0.1kg per Module (Max 16modules)

06

Media Converter

Chassis-Type
Fiber Media Converter



Model		SFC-CENTER16G	SFC-CENTER16GD
Port	Media Converter	SFC2000 Series	SFC2000 Series
	Slot	16 Slot	16 Slot
Power	Power Redundancy	-	0
	Input Power	AC 220V	AC 220V
	No-load / Maximum Power	30W/55W	30W/55W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount
	Dimensions (WxDxH)	440.8x280x89 (mm)	440.8x280x89 (mm)
	Weight (kg)	5kg + 0.1kg per Module (Max 16modules)	5.5kg + 0.1kg per Module (Max 16modules)

06

Media Converter

Serial Fiber Converter



Model		SFC100-232/485	SFC100-485SFP	SFC100-RING	SFC100-SE
Port	TP Port	-	-	-	2 TP (10/100Mbps)
	100M Fiber Port	1 SFP (100Mbps)	1 SFP (100Mbps)	2 SFP (100Mbps)	1 SFP (100Mbps)
	RS232	3 Pin (TB)	-	3 Pin (TB)	9 Pin (D-SUB Male type)
	RS485/422	5 Pin (TB)	5 Pin (TB)	5 Pin (TB)	5 Pin (TB)
	DIP Switch	232/485/422	485/422	Master/Slave and 232/485/422	PU, PD, TMR
	Chassis Support	-	-	-	-
	PoE Port	-	-	-	1 PoE PD (at)
Power	Power Redundancy	-	-	-	-
	Input Power	DC 12 ~ 56V	DC 12V	DC 12 ~ 56V	PoE PD, DC 12 ~ 56V
	No-load / Maximum Power	0.6W/1.4W	0.8W/1.7W	1.5W/3.1W	4.5W/5.8W
Environmental Conditions	Operating Temperature	-40 ~ 80°C	0 ~ 50°C	-40 ~ 80°C	-40 ~ 80°C
	Installation Method	DIN-Rail or Wall Mount	Wall or DIN-Rail Mount	DIN-Rail or Wall Mount	Wall Mount
	Dimensions (WxDxH)	100.7x107.5x38.7 (mm)	71.1x93.1x26.2 (mm)	125.8x127.5x38.7 (mm)	117.4x135.4x26.2 (mm)
	Weight (kg)	0.4kg	0.3kg	0.5kg	0.4kg

06

Media Converter

HD Video (1080P) Extender



Model		SFC1200-HDFT	SFC1200-HDFT-PoE
Port	TP Port	1 TP (1000Mbps), 1 Combo	1 TP (1000Mbps), 1 Combo
	100M Fiber Port	-	-
	1G Fiber Port	1 SFP (1Gbps), 1 Combo	1 SFP (1Gbps), 1 Combo
	Video Port	1 Video (Max 4K@30Hz)	1 Video (Max 4K@30Hz)
	USB Port	TX:1 Port (B Type), RX:2 Port (A Type)	TX:1 Port (B Type), RX:2 Port (A Type)
	PoE Port	-	802.3af PD
Performance	4K 2160P/30Hz	O	O
	FHD 1080P/60Hz	O	O
	HD 720P/60Hz	O	O
	SD 480P/60Hz	O	O
	Multicast (1:N)	O	O
	Matrix (N:N)	O	O
Power	Power Redundancy	-	-
	Input Power	DC 12V	DC 12V, PoE PD
	No-load / Maximum Power	TX: 2.2W/3.5W, RX: 2.4W/3.4W	TX: 2.3W/3.5W, RX: 2.4W/3.4W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃
	Installation Method	Wall Mount	Wall Mount
	Dimensions (WxDxH)	117.4x135.1x26.2 (mm)	117.4x135.1x26.2 (mm)
	Weight (kg)	0.4kg	0.4kg

06

Media Converter

Video Fiber Link



Model		SFC1150-1V1D2A2C	SFC1150-4V1D4A2C	SFC1150-8V1D4A2C
Port	Video Port	1 BNC (AHD)	4 BNC (AHD)	8 BNC (SD)
	Fiber Port	1 ST (WDM)	1 SFP (2.5Gbps)	1 SFP (1Gbps)
	Option 1 (5Pin -TB)	485/422 1CH	485/422 1CH	485/422 1CH
	Option 2 (8Pin -TB)	Audio 2CH	Audio 2CH	Audio 2CH
	Option 3 (8Pin -TB)	C.C 2CH	Audio 2CH	Audio 2CH
	Option 4 (8Pin -TB)	Not Support	C.C 2CH	C.C 2CH
	Communication Type Options RS-485/422 (485/422-'D'), RS-232 (232-'S'), Audio (audio-'A'), Contact Closure (C.C-'C')			
Performance	1920X1080 (1080P)	O	O	-
	1280X720 (720P)	O	O	-
	1024X768 (PAL/SECAM)	O	O	O
	640X480 (NTSC/VGA)	O	O	O
Power	Input Power	DC 12V	DC 12V	DC 12V
	No-load / Maximum Power	TX : 4.1W/4.6W, RX : 3.9W/4.3W	TX : 6.8W/9.4W, RX : 5.8W/8.8W	TX : 6.3W/8.9W, RX : 5.3W/8.3W
	Power Redundancy	-	-	-
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃	0 ~ 60℃
	Installation Method	Wall Mount, Chassis Module	Wall Mount, Chassis Module	Wall Mount, Chassis Module
	Dimensions (WxDxH)	147.8x180.6x25.4 (mm)	147.8x180.6x49.4 (mm)	147.8x180.6x49.4 (mm)
	Weight (kg)	TX, RX : 0.9kg, 0.9kg	Tx, Rx : 1.1kg, 1.1kg	Tx, Rx : 1.2kg, 1.2kg

06

Media Converter

Video Fiber Link



Model		SFC1100-1U	SFC1100-4U
Port	Media Converter	SFC1150 Series	SFC1150 Series
	Slot	4 Slot (SFC1150-8V 2 Slot)	16 Slot (SFC1150-8V 8 Slot)
Power	Power Redundancy	-	0
	Input Power	AC 100 ~ 240V	AC 220V
	No-load / Maximum Power	3.5W/20W	7W/60W
Environmental Conditions	Operating Temperature	0 ~ 60℃	0 ~ 60℃
	Installation Method	Rack Mount	Rack Mount
	Dimensions (WxDxH)	417x225.6x44.5 (mm)	443.5x256x174.4 (mm)
	Weight (kg)	3.2kg + 0.6kg per Module (Max 4 Modules)	7.5kg + 0.6kg per Module (Max 16 Modules)

06

Media Converter

Coaxial Converter



Model		SFC320C	SFC320PM	SFC320PS
Port	TP Port	1 TP (10/100Mbps)	1 TP (10/100Mbps)	1 TP (10/100Mbps)
	1G Fiber Port	-	-	-
	Copper Port	1 BNC (100Mbps)	1 BNC (100Mbps)	1 BNC (100Mbps)
	Transmission Distance	Max. 2km	Max. 2km	Max. 2km
PoE	PoE Port	-	1 Coaxial PoE	1 PoE (af/at)
	PoE Budget	-	Coaxial PoE Max. 23W	PoE Max. 23W
Power	Power Redundancy	-	-	-
	Input Power	DC 12V	PoE PD, DC 48 ~ 56V	Coaxial PoE (PD), DC 48 ~ 56V
	No-load / Maximum Power	1.4W/1.6W	2.5W/31.3W (Copper 150m)	3.8W/40.8W
Environmental Conditions	Operating Temperature	0 ~ 50℃	0 ~ 50℃	0 ~ 50℃
	Installation Method	Wall Mount	Wall Mount	Wall Mount
	Dimensions (WxDxH)	71.1x94.3x26.2 (mm)	70.7x94.1x30.2 (mm)	70.7x93.1x30.2 (mm)
	Weight (kg)	0.2kg	0.3kg	0.3kg

07 SFP Optical Module

SFP Optical Module



	Model	Specification
100Mbps (155Mbps)	SFP-SM	155Mbps, LC-Single Mode, 20km,1310nm
	SFP-MM	155Mbps, LC-Multi Mode, 2km, 1310nm
	SFP-SMWA20-LC	155Mbps, LC-Single Mode, 20km, 1-Fiber (WDM), 1550/1310nm
	SFP-SMWB20-LC	155Mbps, LC-Single Mode, 20km, 1-Fiber (WDM), 1310/1550nm
1Gbps (1.25Gbps)	SFP-SX	1.25Gbps, LC-Multi Mode, 220m/550m, 850nm
	SFP-SX2	1.25Gbps, LC-Multi Mode, 2km, 1310nm
	SFP-LX	1.25Gbps, LC-Single Mode, 20km, 1310nm
	SFP-LX (2.5G)	2.5Gbps, LC-Single Mode, 20km, 1310nm
	SFP-LX (DDM)	1.25Gbps, LC-Single Mode, 20km, 1310nm, DDM
	SFP-LXH	1.25Gbps, LC-Single Mode, 10km, 1310nm, Op. Temp -40 ~ 85℃
	SFP-LXWA20-LC	1.25Gbps, LC-Single Mode, 20km, 1-Fiber (WDM),1550/1310nm
	SFP-LXWB20-LC	1.25Gbps, LC-Single Mode, 20km, 1-Fiber (WDM),1310/1550nm
10Gbps (10.31Gbps)	SFP+10G-SR	10Gbps, LC-Multi Mode, 300m, 850nm
	SFP+10G-LR	10Gbps, LC-Single Mode, 20km, 1310nm

08 Bracket

Bracket



19-inch Rack Mount Bracket (2U)



19-inch Rack Mount Bracket (4U)



SFC400HP Mounting Bracket



Wall-Mount Bracket Set for Enclosure



Universal Bracket for SFC320C/320P



□-Type Bracket



SFC300S Bracket (Optional, Sold Separately)



Power-Integrated Bracket (MINI L)



SFC300 DIN-Rail Clip

Model	Standard	Security	Optional or Compatible
SFC400HP Bracket	SFC400HP, SFC450HP	SFC6410HP	
SFC8000G-1U/1100-1U/1100-1UC Bracket	SFC8000G-1U, SFC8100G-1U, SFC1100-1U	SFC6800G-1U, SFC6810G-1U	
SFC8000G-4U/1100-4U Bracket	SFC8000G-4U, SFC1100-4U, SFC8100G-4U	SFC6800G-4U, SFC6810G-4U	
SFC8000G 19-inch Rack Mount Bracket			SFC8000G, SFC6800G
SFC8000BP Bracket	SFC8000BP_2X2/4X4	SFC6800BP_2X2/4X4	
SFC4000HP/4100/320CP Common Bracket	SFC4000HP, SFC4500HP, SFC4500T, SFC4500T (DC), SFC8000MR, SFC4100A, SFC4500A, SFC4500A (DC), SFC4100HP, SFC4100T	SFC6426HP, SFC6426T, SFC6426T (DC)	
SFC400GM Bracket	SFC400GM, SFC450R	SFC6410T	
SFC400 F1 F2 Bracket	SFC400SCS, SCM, STM, SCSW 1/2		
Over SFC400 F4 Bracket	SFC400SCS, SCM, STM 4/6/8		
SFC-CENTER 12, 16 Bracket	CENTER 12/12D CENTER 16/16D/16G/16GD		
SFC510HP/510LRP Common Bracket	SFC510HP-V3, SFC510LRP		
SFC505GHP-V2 Bracket			SFC505GHP-V2
SFC516HP/524HP/2600 Common Bracket	SOLTECH2600-V3, SFC516HP-V3, SFC524HP-V4, SFC4100AB	SFC6428AB	
SFC410BT/414HP Bracket	SFC410BT, SFC410BT-BP_2X2/4X4, SFC414HP	SFC6412BT, SFC6412BT-BP_2X2, SFC6412BT-BP_4X4, SFC6414HP	
SFC4100BT Bracket	SFC4100BT	SFC6428BT	
SFC300 DIN-Rail Clip	SFC300C, SFC300S, SFC300POE, SFC300SFP, SFC300T, SFC8000S, SFC310C, SFC300GS, SFC100-232/485, SFC100-RING, SFC350POE	SFC6800S	SFC BYPASS, SFC BYPASS-PoE
SFC8000 DIN-Rail Clip	SFC8000Series (8000G, 8000S Not included), SFC8100Series (8100G-1U/4U Not included)	SFC6800Series (6800G, 6800S Not included), SFC6810Series (6810G-1U/4U Not included)	
SFC200/2000 L-Bracket			SFC200 Dedicated, SFC2000 Dedicated, SFC100-485SFP
□-Type Bracket	SFC100-485SFP		SFC200 Dedicated, SFC2000 Dedicated
300S Optional Bracket (Sold Separately - 300S, 8000S)			SFC300C, SFC300S, SFC300POE, SFC300SFP, SFC300T, SFC8000S, SFC310C, SFC300GS, SFC100-232/485, SFC100-RING, SFC350POE, SFC6800S, SFC BYPASS, SFC BYPASS-POE
SFC8000 Wall-Mount Bracket	SFC8000Series (8000G, 8000S Not included), SFC8100Series (8100G-1U/4U Not included)	SFC6800Series (6800G, 6800S Not included), SFC6810Series (6810G-1U/4U Not included)	
SFC8000G Bracket	SFC8000G	SFC6800G	
SFC320C/320P Common Bracket	SFC320PM/PS, SFC320C		
SFC300G Dedicated Bracket	SFC300G		
SFC400GM WALL Bracket			SFC400GM, SFC450R, SFC6410T
SFC-Bypass Wall-Mount Bracket	SFC BYPASS_2X2/4X4, SFC BYPASS POE_2X2/4X4		
SFC1150-1V /4V/8V Bracket	SFC1150-1V/4V/8V		
Wall-Mount Bracket (Medium)			All Products with 1U Height and Weighing 2.3 kg or Less
Wall-Mount Bracket Set for Enclosure			SFC8000, SFC6800
19-inch Rack Mount Bracket (2U)			SFC8000, SFC6800
19-inch Rack Mount Bracket (4U)			All Products Compatible with DIN-Rail Clips
Power-Integrated Bracket (MINI L)	SFC200 Power-Integrated Model, SFC2000 Power-Integrated Model, SFC2000SFP Power-Integrated Model		

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