

LAN Switches & Power over Ethernet

Scalability, Flexibility, Reliable Power Solution





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LAN Switch Naming Rule

xGS-42XX-MyNz

Switch Function

OSI Level

Main port number

Switch Category

- GS – Standalone
- XGS – 10G
- MGS – Metro
- IGS – Industrial
- SGS – Stackable
- WGS-Wall-mount
- DCS-Data Center

Switch Function

- 2 – L2 Web Smart
- 3 – L2
- 4 – L2/L4
- 5 – L2+ with static routing
- 6 – L3 with dynamic routing

OSI Level

- 2 – L2
- 3 – L3

Main Port Number/N Number

- M/N: Port numbers of this port type
- 2/4/8 – 2/4/8-port
- 24/48 – 24-port/48-port

y: Main Port Type

- T – 10/100/1000BASE-T
- P – PoE
- PL – PoE/large PoE and large power
- S – 100/1000BASE-x SFP slot

z: Port Type

- S – 100/1000BASE-X SFP slot
- C – TP/SFP Combo interface
- X – 10G SFP+
- Q – 40G QSFP+
- QC – 100G QSFP28

Layer 3 IPv6/IPv4 Routing Switches

Chassis Switch		
Model		CS-6306R
Product Image		
Chassis Slots	Total Number of Slots	6
	Max. Management Module	2
	Max. Standard Module	4
	Management Module Redundancy	●
	Number of Power Supply Bays	3
Total Port Capacity	Max. 40G QSFP+ Slot	16
	Max. 10G SFP+ Slot	64
	Max. 10/100/1000BASE-T	192
	Max. 1000BASE-SX/LX SFP Slot	192
Hardware Specifications	Switch Processing Scheme	Store-and-Forward
	Switching Capacity	2.56Tbps
	MAC Table	32K
	VLAN Table	4K
	ACL Table	2K max.
	Routing Table	IPv4 Protocol: 16K IPv6 Protocol: 8K
	Layer 3 Interface	512 max.
	Port Queues	8
	Jumbo Frame	9K
	Dimensions (W x D x H)	443.5 x 370 x 397 mm
	Power Input	AC: Input 100~240V, 50~60 Hz
IPv4 Layer 3 Functions	IP Routing Protocol	Static Route, RIPv1/v2, OSPFv2, BGP4, Policy-based Routing (PBR), LPM Routing (MD5 authentication)
	Multicast Routing Protocol	IGMP v1/v2/v3, DVMRP, PIM-DM/SM, PIM-SSM
	Layer 3 Protocol	VRRP, ARP, ARP Proxy
	Routing Interface	Per VLAN
IPv6 Layer 3 Functions	IP Routing Protocol	RIPng, OSPFv3, BGP4+
	Layer 3 Protocol	Configured Tunnels, ISATAP, CIDR
Layer 2 Functions	Multicast	MLDv1/v2, MLD v1/v2 Snooping
	Access Control List	Supports Standard and Expanded ACL, IP-based ACL/MAC-based ACL, Time-based ACL, ACL Pool can be used for QoS classification
	Security	IPv4/IPv6 + MAC + Port Binding, IPv4/IPv6 + Port Binding, ARP Spoofing Prevention, ARP Scanning Prevention, IP Source Guard
	Authentication	IEEE 802.1x Port-based Network Access Control, AAA Authentication: IPv4/IPv6 over RADIUS
Management Function	System Configuration	Console, Telnet, SSH, Web Browser, SSL SNMPv1, v2c and v3
	Management	Supports IPv4/IPv6 HTTP and SSL, the user IP Security inspection for IPv4/IPv6 SNMP, IPv4/IPv6 NTP, IPv4/IPv6 SSH, SNMP v1/v2c/v3, TACACS+, a nd security IP safety net management function
Standards Conformance	Compliance	FCC Part 15 Class A, CE

Chassis Switch Modules & Accessories

Available Management Module	
Model	CS6-MCU

Product Image



10/100/1000T	1
Console	1 (RJ45)

Available Power Module		
Model	CS6-PWR550-AC	CS6-PWR550-DC

Product Image



Input Voltage	100~240V AC, 50/60Hz	36~72V DC
Power Output	550 watts	550 watts

Available Standard Modules			
Model	CS6-S48T	CS6-S48S	CS6-S24T24S

Product Image



10/100/1000BASE-T	48	-	24
1000BASE-X SFP	-	48	24
10GBASE-X SFP+	-	-	-
40GQSFP+	-	-	-

Available Standard Modules		
Model	CS6-S24T8X	CS6-S24S8X

Product Image



10/100/1000BASE-T	24	-
1000BASE-X SFP	-	24
10GBASE-X SFP+	8	8
40GQSFP+	-	-

Available Standard Modules		
Model	CS6-S16X	CS6-S4Q

Product Image

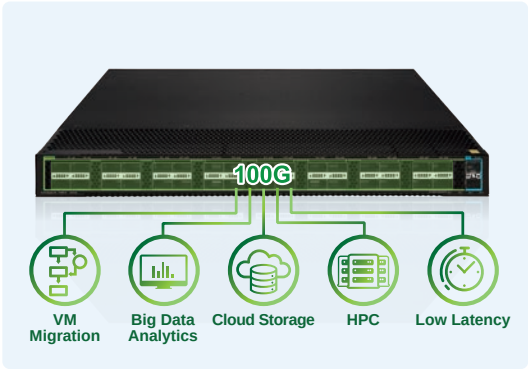


10/100/1000BASE-T	-	-
1000BASE-X SFP	-	-
10GBASE-X SFP+	16	-
40GQSFP+	-	4

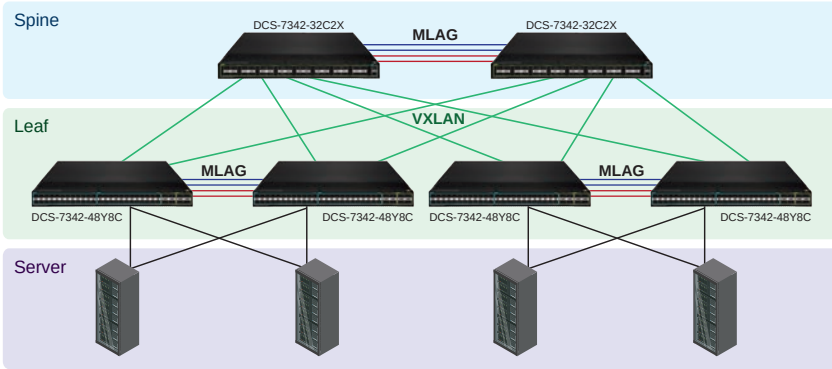
Layer 3 Data Center Switches

Data Center			
Model		DCS-7342-48Y8C	DCS-7342-32C2X
Product Image			
Hardware	10G SFP+ Slot	-	2
	25G SFP28 Slot	48 (Compatible with 10G SFP+)	-
	100G QSFP28 Slot	8 (Compatible with 40G QSFP+)	32 (Compatible with 40G QSFP+)
	Switch Fabric	4.0Tbps	6.44Tbps
	MAC Table	96K	96K
	Jumbo Frame	9K	9K
	Memory Buffer	4GB	4GB
Layer 3 Features	IP Interfaces	4K	4K
	Routing Tables	IPv4: 128 entries; IPv6: 64K entries	
	Routing Protocols	IPv4: Static Routing, OSPFv2, IS-IS, BGP; IPv6: Static Routing, RIPv6, OSPFv3, BGP4/4+	
Interface	Port Mirror	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●
	LACP	●	●
	MLAG	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K
	Q-in-Q VLAN	●	●
	Private VLAN	●	●
Spanning Tree	802.1D	●	●
	802.1w	●	●
	802.1s	●	-
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3
	MVR	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS	
Data Control	DiffServ Policy QoS	●	●
	Ingress/Egress	● / ●	● / ●
Access Control	IP-based	●	●
	MAC-based	●	●
Security	802.1x Port based Authentication	●	●
	MAC Filtering	●	●
	Port Security	●	●
Management	IPv6/IPv4	●	●
	Console	● / RJ45	● / RJ45
	Telnet	●	●
	SNMP	v1, v2c, v3 and trap	v1, v2c, v3 and trap
	RMON	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●
	Firmware Upgrade	TFTP	TFTP
	Configuration Backup/ Recovery	●	●
Physical	Dimensions (W x D x H)	440 x 420 x 44 mm	440 x 420 x 44 mm
	Power Supply	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz
	EMI/Safety	FCC Class A, CE	FCC Class A, CE

Low Latency and Real-time Processing



High-Frequency Trading Networks



Layer 3 100G/40G/10G Core Managed Switches

		100G		10G/40G		10G		
Model		XGS-6350-24X4C XGS-6350-24X2C	XGS-6350-48X2Q4C	XGS-6350-12X8TR	XGS-5240-24X2QR	XGS-6320-8X8TR XGS-6320-12X4TR	XGS-6311-12X	XGS-6311-8T4XR
Product Image								
Hardware	10/100/1000BASE-T	-	-	8	-	-	-	-
	1000BASE-X SFP	-	-	-	-	-	-	-
	10G SFP+ Slot	24 (1000X Compatible)	48	12 (1000X Compatible)	24 (1000X Compatible)	8/12 (Compatible with 1G/2.5GBASE-X SFP)	12 (Compatible with 1000X SFP)	4 (Compatible with 1G/2.5GBASE-X SFP)
	10GBASE-T	-	-	-	-	8/4	-	8
	40G QSFP+ Slot	-	2	-	2	-	-	-
	100G QSFP28 Slot	4/2 (Compatible with 40G QSFP+)	4	-	-	-	-	-
	Switch Fabric	1.28Tbps/880Gbps	1.92Tbps	256Gbps	640Gbps	320Gbps	240Gbps	240Gbps
	MAC Table	32K/132K	64K	32K	32K	32K	32K	32K
	Jumbo Frame	9K	9K	9K	9K	10K	12K	12K
	Memory Buffer	4MB/4.5MB	4MB	3MB	4MB	4MB	4MB	16MB
Layer 3 Features	IP Interfaces	128/1K	227	128	64	128 VLAN	4K	1024
	Routing Tables	16K/ IPv4: 16K; IPv6: 8K	8K	128	64	Static: 512 Dynamic: 3072	12K	12K
	Routing Protocols	Static routing, IPv4 RIPv1/v2, OSPFv2, BGP ; IPv6 RIPng, OSPFv3, BGP4+		Static routing, RIP and OSPF	Static routing	RIPv1/v2, OSPFv2/v3, IPv6/IPv4 Static Routing	IPv4 Static Routing, RIPv1/v2, OSPFv2	IPv4/IPv6 Static Routing, RIPv1/v2, RIPng, OSPFv2/v3, BGP4/6;
	Accelerated Hardware	●	●	●	●	●	●	●
Interface	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●	●	●	●	●
	LACP	●	●	●	●	●	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K	● / 4K	● / 4K	● / 4K	● / 4K	● / 4K
	Q-in-Q VLAN	●	●	●	●	●	●	●
	Private VLAN	●	●	●	●	●	●	●
Spanning Tree	802.1D	●	●	●	●	●	●	●
	802.1w	●	●	●	●	●	●	●
	802.1s	●	●	●	●	●	●	●
Rapid Data Recovery	ERPS	●	-	●	-	- / ●	-	-
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3 and trap
	MVR	●	●	●	-	●	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●	●	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS		Port-CoS, DSCP-CoS, L4 Port-CoS		Port-CoS, DSCP-CoS, L4 Port-CoS		
	DiffServ Policy Qos	●	●	●	●	●	●	●
Data Control	Ingress/Engress	● / ●	●	● / ●	● / ●	●	● / ●	● / ●
Access Control List	IP-based	●	● / ●	●	●	● / ●	●	●
	MAC-based	●	●	●	●	●	●	●
Security	802.1x Port-based Authentication	●	●	●	●	●	●	●
	MAC Filtering	●	●	●	●	●	●	●
	Port Security	●	●	●	●	●	●	●
Management	IPv6/IPv4	●	●	●	●	● / ●	●	●
	Console	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●	●	●	●	●
	Web Management	●	●	●	●	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3 and trap	v1, v2c, v3 and trap
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●
	Firmware Upgrade	●	●	●	●	●	●	●
	Configuration Backup/Recovery	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Single IP Management	●	●	●	●	-	-	-
	Syslog	●	●	●	●	●	●	●
Physical	Dimensions (W x D x H)	442.5 x 364 x 44 mm	442 x 404 x 44 mm	440 x 315 x 44 mm	440 x 318 x 44 mm	440 x 200 x 44 mm	330 x 230 x 43.6 mm	441.5 x 207.5 x 44 mm
	Power Supply	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz; Optional AC or DC redundant power module	Dual 100~240V AC, 50/60Hz	100~240V AC, 50/60Hz Dual 36~72V DC	100~240V AC, 50/60Hz 36~60V DC	100~240VAC, 50/60Hz	Dual 100~240V AC, 50/60Hz
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 3 Enterprise Stackable Switches

Gigabit/10G						
Model	XGS3-24242	SGS-6341-16S8C4XR	SGS-6341-48T4X	SGS-6341-24T4X	SGS-6341-24P4X	
Product Image						
Hardware	10/100/1000BASE-T	8 combo	8 combo	48	24	24
	1000BASE-X SFP Slot	24 (100X Compatible)	24 (100X Compatible)	-	-	-
	10G SFP+ Slot	4 (1000X Compatible)	4 (1000X Compatible)	4 (1000X Compatible)	4 (1000X Compatible)	4 (1000X Compatible)
	PoE 802.3at Port	-	-	-	-	24
	PoE Budget	-	-	-	-	370W max.
	Switch Fabric	128Gbps	128Gbps	176Gbps	128Gbps	128Gbps
	MAC Table	16K	16K	16K	16K	16K
	Jumbo Frame	9K	9K	9K	9K	9K
	Memory Buffer	1.5Mbytes	1.5Mbytes	1.5Mbytes	1.5Mbytes	1.5Mbytes
Layer 3 Features	IP Interfaces	128	128	128	128	128
	Routing Tables	13K	1K	1K	1K	1K
	Routing Protocols	Static routing, IPv4 RIPv1/v2, OSPFv2 BGPv4; IPv6 RIPng, OSPFv3, BGPv4+, PIM-DM, PIM-SM, VRRPv1/v3				
	Accelerated Hardware	●	●	●	●	●
Interface	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●	●	●
	LACP	●	●	●	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K	● / 4K	● / 4K	● / 4K
	Q-in-Q VLAN	●	●	●	●	●
	Private VLAN	●	●	●	●	●
Spanning Tree	802.1D	●	●	●	●	●
	802.1w	●	●	●	●	●
	802.1s	●	●	●	●	●
Rapid Data Recovery	ERPS	●	●	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS			Port-CoS, DSCP-CoS, L4 Port-CoS	
	DiffServ Policy QoS	●	●	●	●	●
Data Control	Ingress/Egress	● / ●	● / ●	● / ●	● / ●	● / ●
Access Control List	IP-based	●	●	●	●	●
	MAC-based	●	●	●	●	●
Security	802.1x Port-based Authentication	●	●	●	●	●
	MAC Filtering	●	●	●	●	●
	Port Security	●	●	●	●	●
Management	IPv6/IPv4	● / ●	● / ●	● / ●	● / ●	● / ●
	Console	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●	●	●
	Web Management	●	●	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●	● / ●	● / ●	● / ●
	Firmware Upgrade	FTP, TFTP	FTP, TFTP	FTP, TFTP	FTP, TFTP	FTP, TFTP
	Configuration Backup/Recovery	●	●	●	●	●
	Single IP Management	●	●	●	●	●
Physical	Syslog	●	●	●	●	●
	Dimensions (W x D x H)	442 x 240 x 43.6 mm	442 x 240 x 43.6 mm	440 x 240 x 44 mm	440 x 240 x 44 mm	440 x 320 x 44 mm
	Power Supply	100~240V AC, 50/60Hz 36~75V DC	100~240V AC, 50/60Hz 36~75V DC	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 3 Enterprise Stackable Switches

Gigabit/10G						
Model	SGS-6310-24T4X	SGS-6310-16S8C4XR	SGS-6310-48T6X	SGS-6310-24P4X	SGS-6310-48P6XR	
Product Image						
				PoE	PoE	
Hardware	10/100/1000BASE-T	24	8 combo	48	24	48
	1000BASE-X SFP Slot	-	24 (100FX compatible)	-	-	-
	10G SFP+ Slot	4 (1000X compatible)	4 (1000X compatible)	6 (1000X compatible)	4 (1000X compatible)	6 (1000X compatible)
	PoE 802.3at Port	-	-	-	24	48
	PoE Budget	-	-	-	370W max.	370W max. AC 740W max. AC+DC
	Switch Fabric	128Gbps	128Gbps	216Gbps	128Gbps	216Gbps
	MAC Table	16K	16K	32K	16K	32K
	Jumbo Frame	9K	9K	9K	9K	9K
	Memory Buffer	1.5MB	1.5MB	1.5MB	1.5MB	1.5MB
Layer 3 Features	IP Interfaces	64 VLAN	64 VLAN	64 VLAN	64 VLAN	64 VLAN
	Routing Tables	2K	2K	2K	2K	2K
	Routing Protocols	IPv4/IPv6 Static Routing, OSPFv2/v3, RIPv1/v2, RIPv1/v3				
	Hardware Accelerated	●	●	●	●	●
Interface	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●	●	●
	LACP	●	●	●	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K	● / 4K	● / 4K	● / 4K
	Q-in-Q VLAN	●	●	●	●	●
	Private VLAN	●	●	●	●	●
Spanning Tree	802.1D	●	●	●	●	●
	802.1w	●	●	●	●	●
	802.1s	●	●	●	●	●
Rapid Data Recovery	ERPS	●	●	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●	●	●
Quality of service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS		Port-CoS, DSCP-CoS, L4 Port-CoS		
	DiffServ Policy Qos	●	●	●	●	●
Rate Control	Ingress/Egress	●	●	●	●	●
Access Control List	IP-based	●	●	●	●	●
	MAC-based	●	●	●	●	●
Security	802.1x Port-based Authentication	●	●	●	●	●
	MAC Filtering	●	●	●	●	●
	Port Security	●	●	●	●	●
Management	IPv6/IPv4	● / ●	● / ●	● / ●	● / ●	● / ●
	Console	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●	●	●
	Web Management	●	●	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●	● / ●	● / ●	● / ●
	Firmware Upgrade	●	●	●	●	●
	Configuration Backup/Recovery	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Single IP Management	●, up to 8 units	●, up to 8 units	●, up to 8 units	●, up to 8 units	●, up to 8 units
Physical	Syslog	●	●	●	●	●
	Dimensions (W x D x H)	440 x 180 x 44 mm	440 x 280 x 44 mm	440 x 280 x 44 mm	440 x 210 x 44 mm	440 x 300 x 44 mm
	Power Supply	Dual 100~240V AC, 50/60Hz		Dual 100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz, 55V DC
Regulator	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 3 IPv6/IPv4 Managed Gigabit/10G Switches

Standalone				
Model		GS-6311-24T4X	GS-6311-16S8C4XR	GS-6311-48T6X
Product Image				
Hardware	10/100BASE-TX	-	-	-
	10/100/1000BASE-T	24	8 (combo)	48
	100/1000BASE-X SFP	-	24	-
	10G SFP+ Slot	4 (Compatible with 1000X SFP)	4 (Compatible with 1000X SFP)	6 (Compatible with 1000X SFP)
	PoE 802.3at Port	-	-	-
	PoE Budget	-	-	-
	Switch Fabric	128Gbps	128Gbps	216Gbps
	MAC Table	16K	16K	32K
	Jumbo Frame	12K	12K	12K
	Memory Buffer	12MB	12MB	16MB
Layer 3 Features	IP Interfaces	1024	1024	1024
	Routing Tables	6K	6K	6K
	Routing Protocols	IPv4 Static Routing, RIPv1/v2, OSPFv2	IPv4 Static Routing, RIPv1/v2, OSPFv2	IPv4 Static Routing, RIPv1/v2, OSPFv2
	Accelerated Hardware	●	●	●
Interface	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●
	LACP	●	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K	● / 4K
	Q-in-Q VLAN	●	●	●
	Private VLAN	●	●	●
Spanning Tree	802.1D	●	●	●
	802.1w	●	●	●
	802.1s	●	●	●
Rapid Data Recovery	ERPS	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS	Port-COS, DSCP-COS, L4 Port-COS	Port-COS, DSCP-COS, L4 Port-COS
	DiffServ Policy QoS	●	●	●
Data Control	Ingress/Egress	● / ●	● / ●	● / ●
Access Control List	IP-based	●	●	●
	MAC-based	●	●	●
Security	802.1x Port-based Authentication	●	●	●
	MAC Filtering	●	●	●
	Port Security	●	●	●
Management	IPv6/IPv4	●	●	●
	Console	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●
	Web Management	●	●	●
	SNMP	v1, v2c, v3 and trap	v1, v2c, v3 and trap	v1, v2c, v3 and trap
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●	● / ●
	Firmware Upgrade	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/ Recovery	●	●	●
	Single IP Management	-	-	-
	Syslog	●	●	●
Physical	Dimensions(W x D x H)	440 x 207 x 44 mm	440 x 260 x 44 mm	440 x 260 x 44 mm
	Power Supply	100-240V AC 50/60Hz	100-240V AC 50/60Hz	100-240V AC 50/60Hz
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 3 Managed Gigabit /10G Switches

Standalone				
Model		GS-6320-46S2C4XR	MGS-6320-8T2X	MGS-6311-10T2X
Product Image				
Hardware	LCD	-	-	-
	10/100BASE-TX	-	-	-
	10/100/1000BASE-T	2 combo	4 x 10/100/1000 4 x 100/1000/2500	-
	100/1000BASE-X SFP	48	-	-
	2500BASE-T	-	-	8 10/100/1000/2500BASE-T
	10G SFP+ Slot	4 (1000X compatible)	2, backward compatible with 1000X	2 (Compatible with 1000X SFP)
	10GBASE-T	-	-	2 1G/2.5G/5G/10GBASE-T
	PoE 802.3at Port	-	-	-
	PoE Budget	-	-	-
	Switch Fabric	176Gbps	68Gbps	120Gbps
	MAC Table	32K	8K	16K
	Jumbo Frame	10K	10K	12K
	Memory Buffer	64Mbit	4.1Mbits	12MB
	IP Interfaces	128 VLAN	32 VLAN	1024 VLAN
Layer 3 Features	Routing Tables	128	32	6K
	Routing Protocols	IPv4/IPv6 Static Routing, OSPFv2	IPv4/IPv6 Static Routing, OSPFv2/v3, RIPv1/v2	IPv4 Static Routing, RIPv1/v2, OSPFv2
	Accelerated Hardware	●	●	●
	Interface	Port Mirror	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●
	LACP	●	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K	● / 4K
	Q-in-Q VLAN	●	●	●
	Private VLAN	●	●	●
Spanning Tree	802.1D	●	●	●
	802.1w	●	●	●
	802.1s	●	●	●
Rapid Data Recovery	ERPS	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS		
	DiffServ Policy QoS	●	●	●
Data Control	Ingress/Egress	● / ●	●	● / ●
Access Control List	IP-based	●	● / ●	●
	MAC-based	●	●	●
Security	802.1x Port-based Authentication	●	●	●
	MAC Filtering	●	●	●
	Port Security	●	●	●
Management	IPv6/IPv4	● / ●	●	●
	Console	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●
	Web Management	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3 and trap
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●	● / ●
	Firmware Upgrade	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/Recovery	●	●	●
	Single IP Management	-	-	-
	Syslog	●	●	●
Physical	Dimensions (W x D x H)	440 x 300 x 44 mm	330 x 150 x 44.5 mm	330x230x43.5 mm
	Power Supply	100~240V AC, 50/60Hz	100~240V AC	100~240V AC, 50/60Hz
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 3/Layer 2+ IPv6/IPv4 Metro Fiber Switches

Metro Fiber Switches					
Model	MGSD-10080F	MGSW-24160F	MGS-6320-2T6S2X	MGSW-28240F	
Product Image					
Hardware	10/100BASE-TX	-	-	-	-
	10/100/1000BASE-T	2	8	2	4 combo
	1000BASE-X SFP Slot	8 (100FX Compatible)	12 (100FX Compatible)	4 x 2500 2 x 1000 (100FX Compatible)	24 (100FX Compatible)
	10G SFP+ Slot	-	4 (100/1G/2.5Gbps Compatible)	2 (1G/2.5Gbps compatible)	4 (1000X Compatible)
	PoE 802.3at Port	-	-	-	-
	PoE Budget	-	-	-	-
	Switch Fabric	26Gbps	120Gbps	68Gbps	158Gbps
	MAC Table	8K	16K	8K	32K
	Jumbo Frame	9K	12K	10K	10K
	Memory Buffer	4Mbit	12Mbits	4.1Mbits	32Mbit
Layer 3 Features	IP Interfaces	8 VLAN	64 VLAN	32 VLAN	128 VLAN
	Routing Tables	32	32	Static: 32 Dynamic: 1K	Static: 128 Dynamic: 4K
	Routing Protocols	IPv4/IPv6 Static Routing		IPv4/IPv6 Static Routing, OSPFv2/v3, RIPv1/v2	IPv4/IPv6 Static Routing, OSPFv2
	Accelerated Hardware	-	-	●	●
Interface	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●	●
	LACP	●	●	●	●
VLAN	802.1Q VLAN	● / 256	● / 256	● / 4K	● / 4K
	Q-in-Q VLAN	●	●	●	●
	Private VLAN	●	●	●	●
Spanning Tree	802.1D	●	●	●	●
	802.1w	●	●	●	●
	802.1s	●	●	●	●
Rapid Data Recovery	ERPS	●	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●	●
Quality of Service	802.1p Priority	● / 4 queues	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS			
	DiffServ Policy QoS	●	●	●	●
Data Control	Ingress/Egress	● / ●	● / ●	● / ●	● / ●
Access Control List	IP-based	●	●	●	●
	MAC-based	●	●	●	●
Security	802.1x Port-based Authentication	●	●	●	●
	MAC Filtering	●	●	●	●
	Port Security	●	●	●	●
Management	IPv6/IPv4	● / ●	● / ●	● / ●	● / ●
	Console	● / RJ45	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●	●
	Web Management	●	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / -	● / ●	● / ●
	Firmware Upgrade	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/Recovery	●	●	●	●
	Single IP Management	-	-	-	-
Physical	Syslog	●	●	●	●
	Dimensions (W x D x H)	330 x 155 x 43.5 mm	440 x 200 x 44 mm	330 x 153 x 44 mm	440 x 200 x 44 mm
	Power Supply	100~240V AC, 50/60Hz -36V DC RPS		100~240V AC, 50/60Hz 24-57V DC	100~240V AC, 50/60Hz -36V DC RPS
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 3 IPv6/IPv4 Industrial Managed Gigabit Switches

IPv6/IPv4 Managed Gigabit Switches						
Model		IGS-6325-20T4C4X	IGS-6325-20S4C4X	IGS-6325-24P4X	IGS-6325-24P4S	IGS-6325-24UP4X
Product Image						
Hardware	10/100BASE-TX	-	-	-	-	-
	10/100/1000BASE-T	24	4	24	24	24
	100/1000BASE-X SFP	4*	24**	4	4	-
	10G SFP+ Slot	4*	4*	4*	-	4
	PoE 802.3at Port	-	-	24	24	24 (802.3bt)
	PoE Budget	-	-	440W	440W	720W (Single power input) 1,440W (Dual power inputs)
	Switch Fabric	128Gbps	128Gbps	128Gbps	48Gbps	128Gbps
	MAC Table	32K	32K	32K	32K	32K
	Jumbo Frame	10K	10K	10K	10K	10K
	Memory Buffer	32Mbits	32Mbits	32Mbits	32Mbits	32Mbits
Layer 3 Features	IP Interfaces	128 VLAN	128 VLAN	128 VLAN	128 VLAN	128 VLAN
	Routing Tables	Static: 128 Dynamic: 4K	Static: 128 Dynamic: 4K	Static: 128 Dynamic: 4K	Static: 128 Dynamic: 4K	Static: 128 Dynamic: 4K
	Routing Protocols	IPv4/IPv6 static routing OSPFv2 dynamic routing		IPv4/IPv6 static routing OSPFv2 dynamic routing		OSPFv2/v3, RIPv1/v2, IPv6/ IPv4 Static Routing
	Accelerated Hardware	●	●	●	●	●
Interface	Port Mirror	Many to many	Many to many	Many to many	Many to many	Many to many
Link Aggregation	Port Trunk	●	●	●	●	●
	LACP	●	●	●	●	●
VLAN	802.1Q VLAN	●	●	●	●	●
	Q-in-Q VLAN	●	●	●	●	●
	Private VLAN	●	●	●	●	●
Spanning Tree	802.1D	●	●	●	●	●
	802.1w	●	●	●	●	●
	802.1s	●	●	●	●	●
Rapid Data Recovery	ERPS	●	●	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●	●	●
Quality of Service	802.1p Priority	● / 8 priority	● / 8 priority	● / 8 priority	● / 8 priority	● / 8 priority
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS				
Data Control	DiffServ Policy QoS	●	●	●	●	●
	Ingress/Egress	● / ●	● / ●	● / ●	● / ●	● / ●
Access Control List	IP-based	●	●	●	●	●
	MAC-based	●	●	●	●	●
Security	802.1x Port-based Authentication	●	●	●	●	●
	MAC Filtering	●	●	●	●	●
	Port Security	●	●	●	●	●
Management	IPv6/IPv4	●	●	●	●	●
	Console	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●	●	●
	Web Management	●	●	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3 and trap
	RMON	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1, 2, 3, 9
	SSH/TLS	●	●	●	●	●
	Firmware Upgrade	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/Recovery	●	●	●	●	●
	Single IP Management	-	-	-	-	-
Physical	Syslog	●	●	●	●	●
	Dimensions (W x D x H)	440 x 200 x 44 mm	440 x 200 x 44 mm	440 x 300 x 44 mm	440 x 300 x 44 mm	440 x 300 x 44 mm
	Power Supply	100~240V AC, 50/60Hz Dual 24~60V DC		Dual 48~56V DC	Dual 48~56V DC	Dual 48~54V DC, 32A max.
	EMI/Safety	FCC Class A, CE EN 61000-6-2	FCC Class A, CE EN 61000-6-2 EN 61000-6-4	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

*Compatible with 2500BASE-X SFP

**10 Ports compatible with 2500BASE-X SFP

Layer 2+ IPv6/IPv4 Managed Gigabit Switches

Industrial						Standalone
Model	IGSW-24040T	IGS-5225-16T4S	IGS-R4215-24T4X	IGS-R4215-24P4X	GS-5220-16S8CR	
Product Image						
Hardware	10/100BASE-TX	-	-	-	-	-
	10/100/1000BASE-T	24	16	24	24	8 combo
	1000BASE-X SFP Slot	4 combo	4	-	-	24
	10G SFP+ Slot	-	-	4 (100/1G/2.5Gbps Compatible)		
	PoE Port	-	-	-	24 (802.3at)	-
	PoE Budget	-	-	-	440W	-
	Switch Fabric	48Gbps	40Gbps	128Gbps	128Gbps	128Gbps
	MAC Table	8K	8K	16K	16K	16K
	Jumbo Frame	9K	9K	12K	12K	12K
	Memory Buffer	1392KB	1392KB	12Mbits	12Mbits	12Mbits
Layer 3 Features	IP Interfaces	8	8	64	64	64
	Routing Tables	32	32	32	32	32
	Routing Protocols	IPv4/IPv6 Static Routing	IPv4/IPv6 Static Routing	IPv4/IPv6 Static Routing	IPv4/IPv6 Static Routing	IPv4/IP6 Static Routing
	Accelerated Hardware	-	-	●	●	●
Interface	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●	●	●
	LACP	●	●	●	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K	● / 256	● / 256	● / 256
	Q-in-Q VLAN	●	●	●	●	●
	Private VLAN	●	●	●	●	●
Spanning Tree	802.1D	●	●	●	●	●
	802.1w	●	●	●	●	●
	802.1s	●	●	●	●	●
Rapid Data Recovery	ERPS	●	●	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●	●	●
Quality of Service	802.1p Priority	● / 4 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/ WRR	Strict/ WRR	Strict/WRR
	IP TOS/DSCP	●	●	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS		Port-CoS, DSCP-CoS, L4 Port-CoS		
	DiffServ Policy QoS	●	●	●	●	●
Data Control	Ingress/Egress	● / ●	● / ●	● / ●	● / ●	● / ●
Access Control	IP-based	●	●	●	●	●
	MAC-based	●	●	●	●	●
Security	802.1x Port based Authentication	●	●	●	●	●
	MAC Filtering	●	●	●	●	●
	Port Security	●	●	●	●	●
Management	IPv6/IPv4	●	●	●	●	●
	Console	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●	●	●
	Web Management	●	●	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3 and trap	v1, v2c, v3 and trap	v1, v2c, v3 and trap
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●	● / ●	● / ●	● / ●
	Firmware Upgrade	●	●	●	●	●
	Configuration Backup/Recovery	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Single IP Management	-	-	-	-	-
	Syslog	●	●	●	●	●
Physical	Dimensions (W x D x H)	440 x 200 x 44.5 mm	400 x 200 x 44 mm	444 x 200 x 44.2 mm	444 x 200 x 44.2 mm	440 x 260 x 44 mm
	Power Supply	100~240V AC, 50/60Hz Dual 36~60V DC		100~240V AC, 50/60Hz Dual 24~60V DC	Dual 48-54V DC	100~240V AC, 50/60Hz
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 2/4 IPv6/IPv4 Managed Gigabit Switches

Standalone								
Model	GS-4210-48T4S	GS-4210-24T2S	GS-4210-16T2S	GS-4210-24T4S	GS-4210-24T4SR	GS-4210-8T2S	GSD-1002M	
Product Image								
							PoE PD	
Hardware	10/100BASE-TX	-	-	-	-	-	-	-
	10/100/1000BASE-T	48	24	16	24	24	8	8
	100/1000BASE-X SFP	4	2	2	4	4	2	2
	10G SFP+	-	-	-	-	-	-	-
	PoE 802.3at Port	-	-	-	-	-	-	-
	PoE Budget	-	-	-	-	-	-	-
	Switch Fabric	104Gbps	52Gbps	36Gbps	56Gbps	56Gbps	20Gbps	20Gbps
	MAC Table	16K	8K	8K	8K	8K	8K	8K
	Jumbo Frame	9K	9K	9K	10K	10K	9K	9K
	Memory Buffer	4Mbit	4Mbit	4Mbit	4.1MB	4.1MB	4Mbit	4Mbit
Interface	Port Configuration	●	●	●	●	●	●	●
	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●	●	●	●	●
	LACP	●	●	●	●	●	●	●
VLAN	Port-based	-	-	-	-	-	-	-
	802.1Q VLAN	● / 256	● / 256	● / 256	● / 256	● / 256	● / 256	● / 256
	Q-in-Q VLAN	●	●	●	●	●	●	●
	Private VLAN	●	●	●	●	●	●	●
Spanning Tree	802.1D	●	●	●	●	●	●	●
	802.1w	●	●	●	●	●	●	●
	802.1s	●	●	●	●	●	●	●
Rapid Data Recovery	ERPS	●	●	●	●	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	-	●	●	-	-	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●	●	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS		Port-CoS, DSCP-CoS, L4 Port-CoS		Port-CoS, DSCP-CoS, L4 Port-CoS		
	DiffServ Policy QoS	-	-	-	-	-	-	-
Data Control	Ingress/Egress	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●
Access Control List	IP-based	●	●	●	●	●	●	●
	MAC-based	●	●	●	●	●	●	●
Security	802.1x Port-based Authentication	●	●	●	●	●	●	●
	MAC Binding	●	●	●	●	●	●	●
	MAC Filtering	●	●	●	●	●	●	●
	Port Security	●	●	●	●	●	●	●
Management	IPv6/IPv4	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●
	Console	● / RJ45	● / RJ45	● / RJ45	●	●	●	-
	Telnet	●	●	●	●	●	●	●
	Web Management	●	●	●	●	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON	1,2,3,9	1, 2, 3, 9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
	SSH/TLS	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●
	Firmware Upgrade	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/Recovery	●	●	●	●	●	●	●
	Single IP Management	-	-	-	-	-	-	-
	Syslog	●	●	●	●	●	●	●
Physical	Dimensions (W x D x H)	440 x 300 x 44 mm	440 x 207 x 44 mm		441 x 207 x 44 mm		280 x 180 x 44 mm	191 x 85.7 x 26.3 mm
	Power Supply	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz			100~240V AC, 50/60Hz, DC 36-72V	100~240V AC, 50/60Hz	12V DC, 1A
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Next-generation Smart Managed Gigabit Switches



Web Smart Ethernet Switch

Model	GS-2210-8T2S	GS-2210-16T2S	GS-2210-24T2S	GS-2210-8P2S	GS-2210-16P2S	GS-2210-24P2S
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Product Image



Hardware Specifications							
Hardware	10/100/1000BASE-T	8	16	24	8	16	24
	1000BASE-SX/LX	2	2	2	2	2	2
	PoE 802.3at Port	-	-	-	8 x 32W	16 x 32W	24 x 32W
	PoE Budget	-	-	-	120W	240W	260W
	Switch Fabric	20Gbps	36Gbps	52Gbps	20Gbps	36Gbps	52Gbps
	Throughput	14.88Mpps	26.78Mpps	38.68Mpps	14.88Mpps	26.78Mpps	38.68Mpps
	Shared Data Buffer	4.1Mbits	4.1Mbits	4.1Mbits	4.1Mbits	4.1Mbits	4.1Mbits
	Jumbo Frame	10K	10K	10K	10K	10K	10K
	MAC Address Table	8K	8K	8K	8K	8K	8K
Software Specifications							
Monitoring	Cable Diagnostics	●	●	●	●	●	●
	Loop Guard	●	●	●	●	●	●
Port Settings	Flow Control	●	●	●	●	●	●
	Port Mirror	●	●	●	●	●	●
	Port Isolation	●	●	●	●	●	●
Link Aggregation	Port Trunk	●	●	●	●	●	●
VLAN	Port VLAN	●	●	●	●	●	●
PoE Settings	PoE Limit Setting	-	-	-	●	●	●
	PoE Priority	-	-	-	●	●	●
	PD Alive Check	-	-	-	●	●	●
Quality of Services	802.1p Priority	●	●	●	●	●	●
	Priority Mode	●	●	●	●	●	●
	CoS/DSCP	●	●	●	●	●	●
	DiffDerv Policy QoS	●	●	●	●	●	●
Multicast	IGMP Snooping	●	●	●	●	●	●
	DHCP Snooping	●	●	●	●	●	●
Management	Interfaces	Web HTTP, telnet, PLANET NMS controller, PLANET Smart Discovery					
	ONVIF	●	●	●	●	●	●
Physical	Dimensions (W x D x H)	220 x 150 x 44 mm	440 x 207 x 44 mm	440 x 207 x 44 mm	220 x 150 x 44 mm	440 x 207 x 44 mm	440 x 207 x 44 mm
	Power Requirements	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz
	Operating Temperatures	0~50 degree C	0~50 degree C	0~50 degree C	0~50 degree C	0~50 degree C	0~50 degree C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

19-inch Rack-mountable Switches

Fast Ethernet				Gigabit		
Model	FNSW-1601	FNSW-2401	GSW-1601	GSW-2401	MGS-910X	
Product Image						
Hardware	10/100BASE-TX	16	24	-	-	-
	10/100/1000BASE-T	-	-	16	24	-
	100/1000/2500BASE-T	-	-	-	-	8
	10GBASE-X SFP+	-	-	-	-	1
	Switch Fabric	3.2Gbps	4.8Gbps	32Gbps	48Gbps	60Gbps
	MAC Table	8K	8K	8K	8K	4K
	Jumbo Frame	-	-	9K	9K	12K
	Memory Buffer	1.25Mbits	1.25Mbits	built-in	built-in	Built-in
Interface	Auto-negotiation	●	●	●	●	●
Physical	Dimensions (W x D x H)	440 x 140 x 44 mm	441 x 140 x 44 mm	440 x 180 x 44 mm	440 x 180 x 44 mm	280 x 180 x 44 mm
	Power Supply	100~240V AC, Universal Power Supply		100~240V AC, Universal Power Supply		
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE
	Material	Metal	Metal	Metal	Metal	Metal
	Rack-mountable	●	●	●	●	●

SOHO/Home Switches

Fast Ethernet				Gigabit			
Model	SW-504/FSD-503	SW-804/FSD-803		Model	GSD-503/GSD-504	GSD-803/GSD-804	
Product Image				Product Image			
Hardware	10/100/1000BASE-T	5	8	Hardware	10/100/1000BASE-T	5	8
	10/100/1000BASE-T	-	-		1000BASE-X SFP	-	-
	PoE 802.3af Port	-	-		PoE 802.3af Port	-	-
	PoE Budget	-	-		PoE Budget	-	-
	Switch Fabric	1Gbps	1.6Gbps		Switch Fabric	10Gbps	16Gbps
	MAC Table	1K/2K	1K/2K		MAC Table	8K	8K
	Jumbo Frame	-	-		Jumbo Frame	9K	9K
	Memory Buffer	384Kb	768Kb/448Kb		Memory Buffer	1Mb	1Mb
Interface	Auto-negotiation	●	●	Interface	Auto-negotiation	●	●
	802.3x Flow Control	●	●		802.3x Flow Control	●/●	●/●
Physical	Dimensions (W x D x H)	168 x 100 x 29 mm/155 x 86 x 26 mm		Physical	Dimensions (W x D x H)	168 x 100 x 29 mm/155 x 86 x 26 mm	
	Power Supply	5V DC, 1000mA	5V DC, 1000mA		Power Supply	5V DC, 1000mA	5V DC, 1000mA
	EMI/Safety	FCC Class A, CE	FCC Class A, CE		EMI/Safety	FCC Class A, CE	FCC Class A, CE
	Material	Plastic/Metal	Plastic/Metal		Material	Metal/Plastic	Metal/Plastic
	Rack-mountable	-	-		Rack-mountable	-	-

Gigabit			
Model	GSD-805	WGS-803	WGS-810
Product Image			
Hardware	10/100/1000BASE-T	8	8
	1000BASE-X SFP	-	-
	PoE 802.3af Port	-	-
	PoE Budget	-	-
	Switch Fabric	16Gbps	16Gbps
	MAC Table	8K	4K
	Jumbo Frame	9K	9K
	Memory Buffer	1Mb	-
Interface	Auto-negotiation	●	●
	802.3x Flow Control	●	●
Physical	Dimensions (W x D x H)	168 x 93 x 32 mm	148 x 25 x 134 mm
	Power Supply	Internal Power	12V~48V DC
	EMI/Safety	FCC Class A, CE	FCC Class A, CE
	Material	Metal	Metal
	Rack-mountable	-	-

Power over Ethernet

Layer 3 Managed Gigabit 802.3bt PoE++ Switches

PoE++				
Model	XGS-6320-8UP4X	GS-6322-24P4X	GS-6320-24UP2T2XV	
Product Image				
10/100BASE-TX	LCD	-	-	2.4" Color TFT Touch screen
	10/100/1000 BASE-T	-	24	24
	10G SFP+ Slot	4, backward compatible with 1G/2.5G/5G	2, backward compatible with 1000X	2, backward compatible with 1G/2.5G/5G
	10G BASE-T	8 100/1000/2.5G/5G/10GBASE-T	2	2
	PoE 802.3bt Port	8 x 95W	24 x 95W	24 x 95W
	PoE Budget	420W	2280W	600W
	Switch Fabric	40Gbps	128Gbps	128Gbps
	MAC Table	32K	32K	32K
	Jumbo Frame	10K	10K	10K
	Memory Buffer	32Mbits	32Mbit	32Mbit
Layer 3 Features	IP Interfaces	128 VLAN	128 VLAN	128 VLAN
	Routing Tables	Static: 128 Dynamic: 4K	Static: 128 Dynamic: 4K	Static: 128 Dynamic: 4K
	Routing Protocols	IPv4/IPv6 Static Routing, RIPv1/v2, OSPFv2/v3	IPv4/IPv6 Static Routing, OSPFv2	IPv4/IPv6 Static Routing, OSPFv2
	Accelerated Hardware	●	●	●
Interface	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●
	LACP	●	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K	● / 4K
	Q-in-Q VLAN	●	●	●
	Private VLAN	●	●	●
Spanning Tree	802.1D	●	●	●
	802.1w	●	●	●
	802.1s	●	●	●
Rapid Data Recovery	ERPS	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS	Port-CoS, DSCP-CoS, L4 Port-CoS	Port-CoS, DSCP-CoS, L4 Port-CoS
	DiffServ Policy Qos	●	●	●
Data Control	Ingress/Egress	● / ●	● / ●	● / ●
Access Control List	IP-based	●	●	●
	MAC-based	●	●	●
Security	802.1x Port-based Authentication	●	●	●
	MAC Filtering	●	●	●
	Port Security	●	●	●
Management	IPv6/IPv4	● / ●	● / ●	● / ●
	Console	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●
	Web Management	●	●	●
	SNMP	v1, v2c, v3 and trap	v1, v2c, v3	v1, v2c, v3
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	●	● / ●	● / ●
	Firmware Upgrade	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/Recovery	●	●	●
	Syslog	●	●	●
Physical	Dimensions (W x D x H)	440 x 300 x 44 mm	400 x 300 x 44 mm	400 x 300 x 56 mm
	Power Supply	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz 36~60V DC (R model only)	
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 3 Managed Gigabit 802.3bt PoE++ Switches

PoE++				
Model	GS-6311-24HP4X		MGS-6320-8HP2X	GS-5220-8UP2T2X
Product Image				
10/100BASE-TX	LCD	-	-	-
	10/100/1000 BASE-T	24	4 x 10/100/1000 4 x 100/1000/2500	10
	1000BASE-X SFP	-	-	-
	10G SFP+ Slot	4 (Compatible with 1000X SFP)	2, backward compatible with 1000X	
	10G BASE-T	-	-	-
	PoE 802.3bt Port	8 x 90W 16 x 32W	4 x 95W 4 x 36W	8, up to 95W port
	PoE Budget	480W	240W	240W
	Switch Fabric	128Gbps	68Gbps	60Gbps
	MAC Table	16K	8K	32K
	Jumbo Frame	12K	10K	10K
	Memory Buffer	12MB	4.1Mbits	32Mbit
Layer 3 Features	IP Interfaces	1024	32 VLAN	128 VLAN
	Routing Tables	6K	Static: 32 Dynamic: 1K	Static: 128 Dynamic: 4K
	Routing Protocols	IPv4 Static Routing, RIPv1/v2, OSPFv2	IPv4/IPv6 Static Routing, OSPFv2/v3, RIPv1/v2	IPv4/IPv6 Static Routing, OSPFv2
	Accelerated Hardware	●	●	●
Interface	Port Mirror	●	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●
	LACP	●	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K	● / 4K
	Q-in-Q VLAN	●	●	●
	Private VLAN	●	●	●
Spanning Tree	802.1D	●	●	●
	802.1w	●	●	●
	802.1s	●	●	●
Rapid Data Recovery	ERPS	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS		Port-CoS, DSCP-CoS, L4 Port-CoS
	DiffServ Policy Qos	●	●	●
Data Control	Ingress/Egress	● / ●	●	● / ●
Access Control List	IP-based	●	● / ●	●
	MAC-based	●	●	●
Security	802.1x Port-based Authentication	●	●	●
	MAC Filtering	●	●	●
	Port Security	●	●	●
Management	IPv6/IPv4	●	●	● / ●
	Console	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●
	Web Management	●	●	●
	SNMP	v1, v2c, v3 and trap	v1, v2c, v3	v1, v2c, v3
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●	● / ●
	Firmware Upgrade	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/Recovery	●	●	●
	Single IP Management	-	-	-
Physical	Syslog	●	●	●
	Dimensions (W x D x H)	440 x 207 x 44 mm	330 x 200 x 44.5 mm	330 x 200 x 44 mm
	Power Supply	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 2/4 Gigabit 802.3bt PoE++ Switches

Managed Switches						
Model	GS-4210-8UP2S	GS-4210-16UP4C	GS-4210-16UP8T4X	GS-4210-24UP4X	AVS-4210-24HP4X	
Product Image						
Hardware	10/100BASE-TX	-	-	-	-	-
	10/100/1000BASE-T	8	20	24	24	24
	1000BASE-SX/LX	2 SFP	4 SFP	-	-	-
	10GBASE-SR/LR	-	-	4 SFP+	4 SFP+	4 SFP+
	Switch Fabric	20Gbps	40Gbps	128Gbps	128Gbps	128Gbps
	Throughput	14.88Mpps	29.79Mpps	95.23Mpps	95.23Mpps	95.23Mpps
	PoE Spec.	PoE Standard				
	PSE Type	Mid-span + End-span				
	Power Pin Assignment	Pair1: 1/2(+), 3/6(-) Pair2: 4/5(+), 7/8(-)	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)
PoE Ability	PoE Port	8	16	16	24	24
	PoE Power Output	8 x 95W	16 x 95W	16 x 95W	24 x 95W	8 x 95W 16 x 36W
	PoE Budget	180 watts max.	400 watts max.	420 watts max.	720 watts max.	480 watts max. 200 watts max. @ fanless mode
Intelligent PoE Control	Over Temperature Protection	●	●	●	●	●
	PD Alive Check	●	●	●	●	●
	PoE Schedule	●	●	●	●	●
	Power Limit	●	●	●	●	●
	Scheduled Power Recycling	●	●	●	●	●
	PoE Classification	●	●	●	●	●
Protocols	VLAN	802.1Q, Q-in-Q, Voice VLAN, Private VLAN				
	Spanning Tree	802.1D/802.1w/802.1s				
	IGMP snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	ERPS	●	●	●	●	●
Security	802.1x Port based Authentication	●	●	●	●	●
	MAC Filtering	●	●	●	●	●
	Port Security	●	●	●	●	●
Management	Interface	Console, Telnet, HTTP	Console, Telnet, HTTP	Console, Telnet, HTTP	Console, Telnet, HTTP	Console, Telnet, HTTP
	SNMP	v1, v2c, v3, trap	v1, v2c, v3, trap	v1, v2c, v3, trap	v1, v2c, v3, trap	v1, v2c, v3, trap
	SSH/TLS	● / ●	● / ●	● / ●	● / ●	● / ●
Physical	Dimensions (W x D x H)	280 x 180 x 44 mm	440 x 300 x 44 mm	441.1 x 207.5 x 44.2 mm	440 x 330 x 44 mm	440 x 207 x 44 mm
	Power Requirements	100~240V AC, 50/60Hz				
	Operating Temperature	0~50 degrees C	0~50 degrees C	0~50 degrees C	0~50 degrees C	0~50 degrees C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 3 IPv6/IPv4 Managed PoE+ Switches

Stackable PoE+				
Model		SGS-6341-24P4X	SGS-6310-24P4X	SGS-6310-48P6XR
Product Image				
Hardware	LCD	-	-	-
	10/100/1000BASE-T	24	24	48
	1000BASE-X SFP Slot	4	-	-
	10G SFP+ Slot	4 (1000X Compatible)	4 (1000X Compatible)	6 (1000X Compatible)
	PoE 802.3at Port	24, up to 30W per port	24	48
	PoE Budget	370W max.	370W max.	370W max. AC 740W max. AC+DC
	Switch Fabric	128Gbps	128Gbps	216Gbps
	MAC Table	16K	16K	32K
	Jumbo Frame	9K	9K	9K
Layer 3 Features	Memory Buffer	1.5Mbytes	1.5Mbytes	1.5Mbytes
	IP Interfaces	128	64 VLAN	64 VLAN
	Routing Tables	1K	2K	2K
	Routing Protocols	Static routing, RIP and OSPF		
Interface	Accelerated Hardware	●	●	●
	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●
	LACP	●	●	●
VLAN	802.1Q VLAN	● / 4K	● / 4K	● / 4K
	Q-in-Q VLAN	●	●	●
	Private VLAN	●	●	●
Spanning Tree	802.1D	●	●	●
	802.1w	●	●	●
	802.1s	●	●	●
Rapid Data Recovery	ERPS	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS		
Data Control	DiffServ Policy Qos	●	●	●
	Ingress/Egress	● / ●	● / ●	● / ●
Access Control List	IP-based	●	●	●
	MAC-based	●	●	●
Security	802.1x Port-based Authentication	●	●	●
	MAC Filtering	●	●	●
	Port Security	●	●	●
Management	IPv6/IPv4	● / ●	● / ●	● / ●
	Console	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●
	Web Management	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3 and trap	v1, v2c, v3 and trap
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●	● / ●
	Firmware Upgrade	FTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/Recovery	●	FTP, TFTP	FTP, TFTP
	Single IP Management	● IP stacking: up to 24 units Hardware stacking: up to 4 units	● Hardware stacking: up to 8 units	
Physical	Syslog	●	●	●
	Dimensions (W x D x H)	440 x 320 x 44 mm	440 x 210 x 44 mm	440 x 300 x 44 mm
	Power Supply	100~240V AC, 50/60Hz		100~240V AC, 50/60Hz, 55V DC
EMI/Safety		FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 3/Layer 2+ IPv6/IPv4 Managed Gigabit PoE+ Switches

Standalone PoE+						
Model		GS-6311-24P4XV	GS-6311-48P6X	MGS-6311-8P2X	GS-6320-8P2X	GS-5220-8P2T2S
Product Image						
Hardware	LCD	-	-	-	-	-
	10/100/1000BASE-T	24	48	8 10/100/1000/ 2500BASE-T	8	10
	100/1000BASE-X SFP	-	-	-	-	2
	10G SFP+ Slot	4 (Compatible with 1000X SFP)	6 (Compatible with 1000X SFP)	2 (Compatible with 1000X SFP)	2, backward compatible with 1000X	-
	PoE 802.3at Port	24 x 32W	48 x 32W	8 x 32W	8, up to 36W per port	8
	PoE Budget	370W	500W/110VAC 600W/220VAC	240W	120W	240W
	Switch Fabric	128Gbps	216Gbps	80Gbps	56Gbps	24Gbps
	MAC Table	16K	32K	16K	8K	8K
	Jumbo Frame	12K	12K	12K	10K	9K
	Memory Buffer	12MB	16MB	12MB	32Mbit	1392KB
Layer 3 Features	IP Interfaces	1024	1024	1024	32 VLAN	8 VLAN
	Routing Tables	6K	12K	6K	32	32
	Routing Protocols	IPv4 Static Routing, RIPv1/v2, OSPFv2			IPv4/IPv6 Static Routing, OSPFv2	IPv4/IPv6 Static Routing
	Accelerated Hardware	●	●	●	●	-
Interface	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●	●	●
	LACP	●	●	●	●	●
VLAN	802.1Q VLAN	●	●	●	● / 4K	● / 256
	Q-in-Q VLAN	●	●	●	●	●
	Private VLAN	●	●	●	●	●
Spanning Tree	802.1D	●	●	●	●	●
	802.1w	●	●	●	●	●
	802.1s	●	●	●	●	●
Rapid Data Recovery	ERPS	●	●	●	●	-
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	●	●	●	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS			Port-CoS, DSCP-CoS, L4 Port-CoS	
	DiffServ Policy QoS	●	●	●	●	●
Data Control	Ingress/Egress	● / ●	● / ●	● / ●	● / ●	● / ●
Access Control List	IP-based	●	●	●	●	●
	MAC-based	●	●	●	●	●
Security	802.1x Port-based Authentication	●	●	●	●	●
	MAC Filtering	●	●	●	●	●
	Port Security	●	●	●	●	●
Management	IPv6/IPv4	●	●	●	● / ●	● / ●
	Console	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●	●	●
	Web Management	●	●	●	●	●
	SNMP	v1, v2c, v3 and trap	v1, v2c, v3 and trap	v1, v2c, v3 and trap	v1, v2c, v3	v1, v2c, v3
	RMON	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9	1, 2, 3, 9
	SSH/TLS	● / ●	● / ●	● / ●	● / ●	● / ●
	Firmware Upgrade	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/Recovery	●	●	●	●	●
	Single IP Management	-	-	-	-	-
	Syslog	●	●	●	●	●
Physical	Dimensions (W x D x H)	440 x 207 x 44 mm	440 x 330 x 44 mm	330x230x43.5 mm	330 x 150 x 44 mm	330 x 200 x 44 mm
	Power Supply	100~240V AC, 50/60Hz			100~240V AC, 50/60Hz	
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Layer 2/4 Managed Gigabit PoE+ Switches

PoE+								
Model	GS-4210-48P4S	GS-4210-24P4C GS-4210-24PL4C	GS-4210-24P2S	GS-4210-16P4C	GS-4210-16P2S	GS-4210-8P2C	GS-4210-8P2S	
Product Image								
Hardware	10/100BASE-TX	-	-	-	-	-	-	-
	10/100/1000BASE-T	48	28	24	20	16	10	8
	Mini-GBIC/SFP	4	4 Combo	2	4 Combo	2	2	2
	PoE 802.3at Port	48	24	24	16	16	8	8
	PoE Budget	600W	P : 280W PL : 430W	300W	240W	220W	120W	120W
	Switch Fabric	104Gbps	56Gbps	52Gbps	40Gbps	36Gbps	24Gbps	20Gbps
	MAC Table	16K	8K	8K	8K	8K	8K	8K
	Jumbo Frame	9K	9K	9K	9K	9K	9K	9K
	Memory Buffer	4Mbit	4Mbit	4Mbit	4Mbit	4Mbit	4Mbit	4Mbit
Interface	Port Configuration	●	●	●	●	●	●	●
	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Port Trunk	●	●	●	●	●	●	●
	LACP	●	●	●	●	●	●	●
VLAN	Port-based	-	-	-	-	-	-	-
	802.1Q VLAN	● / 256	● / 256	● / 256	● / 256	● / 256	● / 256	● / 256
	Q-in-Q VLAN	●	●	●	●	●	●	●
	Private VLAN	●	●	●	●	●	●	●
Spanning Tree	802.1D	●	●	●	●	●	●	●
	802.1w	●	●	●	●	●	●	●
	802.1s	●	●	●	●	●	●	●
Rapid Data Recovery	ERPS	●	●	●	●	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	MVR	-	-	●	●	●	●	●
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR
	IP TOS/DSCP	●	●	●	●	●	●	●
	QoS Mode	Port-CoS, DSCP-CoS, L4 Port-CoS				Port-CoS, DSCP-CoS, L4 Port-CoS		
	DiffServ Policy QoS	-	-	-	-	-	-	-
Data Control	Ingress/Egress	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●
Access Control List	IP-based	●	●	●	●	●	●	●
	MAC-based	●	●	●	●	●	●	●
Security	802.1x Port-based Authentication	●	●	●	●	●	●	●
	MAC Binding	●	●	●	●	●	●	●
	MAC Filtering	●	●	●	●	●	●	●
	Port Security	●	●	●	●	●	●	●
Management	IPv6/IPv4	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●
	Console	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45	● / RJ45
	Telnet	●	●	●	●	●	●	●
	Web Ma-gement	●	●	●	●	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
	SSH/TLS	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●
	Firmware Upgrade	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP	HTTP, TFTP
	Configuration Backup/Recovery	●	●	●	●	●	●	●
	Single IP Management	-	-	-	-	-	-	-
	Syslog	●	●	● / ●	● / ●	● / ●	●	●
Physical	Dimensions (W x D x H)	440 x 300 x 44 mm	24P4C: 440 x 207 x 44 mm 24PL4C: 440 x 300 x 44 mm	440 x 207 x 44 mm	440 x 300 x 44 mm	440 x 207 x 44 mm	280 x 180 x 44 mm	
	Power Supply	100~240V AC, 50/60Hz		100~240V AC, 50/60Hz		100~240V AC, 50/60Hz		
	EMI/Safety	FCC Class A, CE		FCC Class A, CE		FCC Class A, CE	FCC Class A, CE	

Layer 2/4 Managed Smart Fast Ethernet PoE+ Switches

PoE+					
Model	FGSD-1008HPS	FGSW-1816HPS	FGSW-2624HPS	FGSW-2624HPS4	
Product Image					
Hardware	10/100BASE-TX	8	16	24	24
	10/100/1000BASE-T	2	2	2	2
	Mini-GBIC/SFP	2 combo	2 combo	2 combo	2 combo
	PoE 802.3at Port	8	16	24	24
	PoE Budget	120W	240W	240W	370W
	Switch Fabric	5.5Gbps	7.2Gbps	8.8Gbps	8.8Gbps
	MAC Table	16K	16K	16K	16K
	Jumbo Frame	16K	16K	16K	16K
	Memory Buffer	4Mbit	4Mbit	4Mbit	4Mbit
Interface	Auto-negotiation	●	●	●	●
	802.3x Flow Control	●	●	●	●
	Port Configuration	●	●	●	●
	Port Mirror	TX, RX, Both	TX, RX, Both	TX, RX, Both	TX, RX, Both
Link Aggregation	Static Port Trunk	●	●	●	●
	802.3ad LACP	●	●	●	●
VLAN	Port-based VLAN	●	●	●	●
	802.1Q VLAN	● / 256	● / 256	● / 256	● / 256
Spanning Tree Protocol	802.1D STP	●	●	●	●
	802.1w RSTP	●	●	●	●
Multicast	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Quality of Service	802.1p Priority	● / 8 queues	● / 8 queues	● / 8 queues	● / 8 queues
	DSCP	●	●	●	●
	Priority Mode	Strict/WRR	Strict/WRR	Strict/WRR	Strict/WRR
	QoS Mode	Port-CoS, IP ToS	Port-CoS, IP ToS	Port-CoS, IP ToS	Port-CoS, IP ToS
Data Control	Ingress	●	●	●	●
	Egress	●	●	●	●
Access Control List	IP-based	●	●	●	●
	Mac-based	●	●	●	●
Security	802.1x Port-based Authentication	-	-	-	-
	Static MAC	●	●	●	●
	MAC Filter	●	●	●	●
	IP Filter	-	-	-	-
Management	Console	●	●	●	●
	Web Management	●	●	●	●
	SNMP	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	Management Utility	●	●	●	●
	Firmware Upgrade	HTTP	HTTP	HTTP	HTTP
	Cable Diagnostic	-	-	-	-
Physical	Dimensions (W x D x H)	280 x 180 x 44 mm	440 x 208 x 44 mm	440 x 208 x 44 mm	440 x 208 x 44 mm
	Power Supply	100~240V AC, 50/60Hz		100~240V AC, 50/60Hz	
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Unmanaged LCD PoE+/PoE++ Switches

Fast Ethernet/PoE+					Gigabit/PoE+		
Model	FGSD-1022VHP	FGSW-1822VHP	FGSW-2622VHP	GSD-1222VHP	GSW-1820VHP	GSW-2620VHP	
Product Image							
Hardware	LCD	2" mono	2" color	2" color	2" mono	2" color	2" color
	10/100BASE-TX	8	16	24	-	-	-
	10/100/1000BASE-T	2	2	2	10	16	24
	Mini-GBIC/SFP	2	2	2	2	2	2
	PoE 802.3bt	-	-	-	-	-	-
	PoE 802.3af/at Port	8	16	24	8	16	24
	PoE Budget	120W	220W	300W	120W	300W	300W
	Switch Fabric	5.6Gbps	11.2Gbps	12.8Gbps	24Gbps	36Gbps	52Gbps
	MAC Table	8K	8K	8K	8K	8K	8K
	Jumbo Frame	9K	9K	9K	9K	9K	9K
	Memory Buffer	2.75Mb	2.75Mb	2.75Mb	4.1Mb	4.1Mb	4.1Mb
Interface	Auto-negotiation	●	●	●	●	●	●
	802.3x Flow Control	●	●	●	●	●	●
Physical	Dimensions (W x D x H)	280 x 180 x 44 mm	440 x 230 x 44 mm	440 x 230 x 44 mm	280 x 180 x 44 mm	440 x 233 x 44 mm	440 x 233 x 44 mm
	Power Supply	100~240V AC, 50/60Hz			100~240V AC, 50/60Hz	100~240V AC	
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE
	Material	Metal	Metal	Metal	Metal	Metal	Metal
	Rack mountable	●	●	●	●	●	●

Unmanaged PoE/PoE+ Switches

Fast Ethernet PoE/PoE+							
Model	FSD-604HP	FSD-1008HP	FGSD-1011HP	FGSD-1821P	FGSD-2621P	FGSW-2511P	
Product Image							
Hardware	10/100BASE-TX	6	10	8	16	24	24
	10/100/1000BASE-T	-	-	1	2	2	1
	Mini-GBIC/SFP	-	-	1	1	1	1
	PoE 802.3af/at Port	4 (802.3at)	8 (802.3at)	8 (802.3at)	16 (802.3at)	24 (802.3at)	24 (802.3at)
	PoE Budget	60W	120W	120W	185W	185W	190W
	Switch Fabric	1.2Gbps	2Gbps	5.6Gbps	7.2Gbps	8.8Gbps	6.8Gbps
	MAC Table	2K	8K	4K	16K	16K	16K
	Jumbo Frame	1536 bytes	1522 bytes	9K bytes	16K bytes	16K bytes	16K bytes
	Memory Buffer	2Mb	2Mb	2Mb	2Mb	2Mb	2Mb
	DIP Switch	Standard/Extend (250m)	Standard/VLAN/Extend (250m)		Standard/VLAN/Extend (250m)		
Interface	Auto-negotiation	●	●	●	●	●	●
	802.3x Flow Control	●	●	●	●	●	●
Physical	Dimensions (W x D x H)	168 x 93 x 32 mm	220 x 150 x 43 mm	220 x 150 x 43 mm	280 x 180 x 44 mm	280 x 180 x 44 mm	440 x 200 x 45 mm
	Power Supply	100~240V AC	100~240V AC	100~240V AC	100~240V AC	100~240V AC	100~240V AC
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE
	Material	Metal	Metal	Metal	Metal	Metal	Metal
	Rack mountable	●	●	●	●	●	●

Unmanaged PoE/PoE+/PoE++ Switches

Gigabit PoE+/PoE++					
Model	GSD-1022UP	GSD-604HP	WGS-804HP WGS-814HP WGS-818HP	GSD-908HP	
Product Image					
Hardware	10/100BASE-TX	-	-	-	-
	10/100/1000BASE-T	8	6	8	9
	Mini-GBIC/SFP	2	-	-	-
	PoE 802.3bt Port	2	-	-	-
	PoE 802.3at Port	4	4	4/8	8
	PoE Budget	180W	60W	60W/120W	100W
	Switch Fabric	20Gbps	12Gbps	16Gbps	18Gbps
	MAC Table	4K	8K	4K/8K	4K
	Jumbo Frame	9K	9K	9K	9K
	Memory Buffer	-	1Mb	-	-
	DIP Switch	Legacy/BT/UPOE	Standard/ Extend (250m)	Standard/VLAN/Extend (WGS-814HP and WGS-818HP)	Standard/VLAN
Interface	Auto-negotiation	●	●	●	●
	802.3x Flow Control	●	●	●	●
Physical	Dimensions (W x D x H)	220 x 150 x 44 mm	160 x 92.5 x 28 mm	148 x 25 x 134 mm	168 x 94 x 32 mm
	Power Supply	55V DC	55V DC	48~56V DC	55V DC
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE
	Material	Metal	Metal	IP30 Metal	Metal
	Rack mountable	-	-	-	-

Unmanaged PoE/PoE+/PoE++ Switches

Gigabit PoE+/PoE++						
Model	GSD-1008HP	MGS-910XP	GSD-2022P	GSW-1820HP GSW-2620HP	GSW-2824P	
Product Image						
Hardware	10/100BASE-TX	-	-	-	-	-
	10/100/1000BASE-T	10	8 x 100/1000/2500	18	16/24	28
	Mini-GBIC/SFP	-	2 x 10G SFP+	-	2	2
	PoE 802.3bt Port	-	-	-	-	-
	PoE 802.3at Port	8	8	16	16/24	24
	PoE Budget	120W	120W	185W	250W	240W
	Switch Fabric	20Gbps	60Gbps	40Gbps	36Gbps/52Gbps	56Gbps
	MAC Table	8K	4K	8K	8K	8K
	Jumbo Frame	9K	9K	9K	9K	9K
	Memory Buffer	2Mb	-	-	4.1Mb	-
	DIP Switch	Standard/VLAN	Standard/VLAN	Standard/VLAN/ Extend (250m)	Standard/VLAN/Extend	Standard/VLAN/Extend
Interface	Auto-negotiation	●	●	●	●	●
	802.3x Flow Control	●	●	●	●	●
Physical	Dimensions (W x D x H)	220 x 150 x 43 mm	280 x 180 x 44 mm	280 x 180 x 44 mm	441 x 207 x 44 mm	440 x 208 x 44 mm
	Power Supply	100~240V AC	100~240V AC	100~240V AC	100~240V AC	100~240V AC
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE
	Material	Metal	Metal	Metal	Metal	Metal
	Rack mountable	●	●	●	●	●

802.3bt PoE++ Injector Hubs

Managed Injector Hubs					Unmanaged		
Model		UPOE-2400G	UPOE-1600G	UPOE-800G	UPOE-400	IPOE-270 IPOE-270-12V	IPOE-470 IPOE-470-12V
Product Image							
Hardware	RJ45 Data Input Ports	24	16	8	4	2	4
	RJ45 Data + Power Output Ports	24	16	8	4	2	4
	Pass-through Data Rate	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000/2500/5000Mbps	10/100/1000/2500/5000Mbps	10/100/1000Mbps
PoE Spec.	PoE Standard	802.3bt, PoH (802.3at Compliant)	802.3bt, PoH (802.3at Compliant)	802.3bt, PoH (802.3at Compliant)	802.3bt, PoH (802.3at Compliant)	802.3bt, PoH (802.3at Compliant)	802.3bt, PoH (802.3at Compliant)
	PSE Type	End-span + Mid-span/End-span/Mid-span	Mid-span + End-span	Mid-span + End-span	Mid-span + End-span	Mid-span + End-span	Mid-span + End-span
	Power Pin Assignment	Pair 1: 1/2(-), 3/6(+) Pair 2: 4/5(+), 7/8(-)	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)
PoE Ability	PoE Port	24	16	8	4	2	4
	PoE Power Output	8 x 95W max. 16 x 75W max.	8 x 95W max. 8 x 75W max.	95W max.	95W max.	90W max.	95W max.
	PoE Budget	800 watts max.	600 watts max.	400 watts max.	160 watts max.	180 watts max.	240 watts max.
	Number of Class 2 PDs @ 6.5 watts	24	16	8	4	2	4
	Number of Class 3 PDs @ 12.9 watts	24	16	8	4	2	4
Intelligent PoE Control	Number of Class 4 PDs @ 25 watts	24	16	8	4	2	4
	Over Temperature Protection	●	●	●	-	-	-
	PD Alive Check	●	-	-	-	-	-
	PoE Schedule	●	●	●	-	-	-
	Power Limit	●	●	●	-	-	-
	PoE Priority	●	●	●	-	-	-
	PoE Classification	●	●	●	-	-	-
Management	PoE Event/Threshold Trap	●	●	●	-	-	-
	Force mode	●	●	●	-	-	-
	Interface	HTTP/HTTPS	HTTP/HTTPS	HTTP/HTTPS	-	-	-
Physical	SNMP	v1,v2,v3 trap	v1, v2,v3 trap	v1, v2,v3 trap	-	-	-
	Dimensions (W x D x H)	440 x 300 x 44 mm	440 x 300 x 44 mm	440 x 300 x 44 mm	94 x 70.3 x 39.2 mm	41 x 70 x 115 mm	50 x 87.8 x 135 mm
	Rackmountable	●	●	●	-	-	-
Regulatory	Power Supply	Internal	Internal	Internal	External	External	External
	Power Requirements	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	52~54V DC	12~56V DC	12~54V DC
	Operating Temperature	0~50 degrees C	0~50 degrees C	0~50 degrees C	0~50 degrees C	-40~75 degrees C	-40~75 degrees C
	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class B, CE	FCC Class A, CE	FCC Class A, CE

PoE Network Adapters

PoE Network Adapters		
Model	ENW-9720P	ENW-9740P
Product Image		
Attached Interface	x4 PCI Express v2.0	x4 PCI Express v2.1
Network Interface	Dual Port 10/100/1000Mbps	Dual Port 10/100/1000Mbps
PoE	802.3at/af	802.3at/af
OS Support	Windows 10	●
	Windows 8	●
	Windows 7	●
	Windows XP	●
	Windows 2008	●
	Linux	●

60-watt/95-watt 802.3bt PoE++/Ultra PoE Injectors, Splitters & Extenders

Injectors									
Model	POE-171A-60 POE-171A-95	POE-176-95	POE-172	POE-173	POE-175-95	IPOE-171-60W	IPOE-171-95W	IPOE-175	
Product Image									
Hardware	RJ45 Data Input Port	1	1	1	1	1	1	1	1
	RJ45 Data + Power Output Port	1	1	1	1	1	1	1	1
	Data Rate	10/100/1000Mbps	10/100/1G 2.5G/5G/10Gbps	10/100/1000Mbps		10/100/1000Mbps		10/100/1000Mbps	
PoE Spec.	PoE Standard	802.3bt PoE++	802.3bt PoE++	Ultra PoE (802.3at Compliant)		802.3bt (802.3atCompliant)		802.3bt (802.3atCompliant)	
	PSE Type	Mid-span + End-span		Mid-span + End-span		Mid-span + End-span		Mid-span + End-span	
	Power Pin Assignment	Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)		Pair1: 1/2(-), 3/6(+) Pair2: 4/5(+), 7/8(-)		Pair 1: 1/2 (-), 3/6 (+) Pair 2: 4/5 (+), 7/8 (-)		Pair 1: 1/2 (-), 3/6 (+) Pair 2: 4/5 (+), 7/8 (-)	
PoE Ability	PoE Port	1	1	1	1	1	1	1	1
	PoE Power Output	54V DC	54V DC	56V DC	50V DC	54V DC	48~54V DC	54V DC	55V DC
	PoE Ability	60 watts 95 watts	60 watts 95 watts	60 watts	60 watts	95 watts	60 watts	95 watts	60 watts
Physical	Dimensions (W x D x H)	90 x 70 x 26 mm		115 x 62.5 x 31 mm		170 x 100 x 40 mm	135 x 87.8 x 32 mm		150 x 43.8 x 72.94 mm
	Power Supply	External	External	Internal	Internal	Internal	External	External	External
	Power Requirements	100~240V AC, 50/60Hz		100~240V AC, 50/60Hz			48~56V DC	12~48V DC	24~56V DC
	Operating Temperature	0~50 degrees C		0~50 degrees C			-40~75 degrees C		
Regulatory	EMI/Safety	FCC Class A, CE		FCC Class A, CE			FCC Class A, CE		

Splitters						Extenders			
Model	POE-171S	POE-172S	POE-173S POE-173S-12V	IPOE-173S	IPOE-175S	POE-E304	IPOE-E174	IPOE-E302	
Product Image									
Hardware	Data + Power Input Port	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45
	Data Power Output Port	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45	4 x RJ45 Data + Power		2 x RJ45 Data + Power
	DC Output Voltage	12V/19V/24V DC, Max. 2A		173S-12V:12V ; 173S:12V/19V/24V DC, Max. 2A		12V Max. 5A	PoE 44~57V DC	PoE 44~57V DC	PoE 44~57V DC
	DIP Switch	Adjustable 12V/19V/24V		Adjustable 12V/19V/24V		-	-	-	-
	Data Rate	10/100/1000Mbps		10/100/1000Mbps			10/100/1000Mbps		
PoE Spec.	PoE Standard	4-Pair PoE/Ultra PoE/PoH		802.3bt/PoH	802.3bt/PoH	802.3bt/PoH	802.3bt/Ultra PoE (802.3at Compliant)		
	PD Type	Both Mid-span and End-span		Both Mid-span and End-span			Both Mid-span and End-span		
	PoE Power Input	52~56V DC	52~56V DC	52~56V DC	52~56V DC	52~56V DC	52~56V DC	52~56V DC	52~56V DC
Physical	Dimensions (W x D x H)	95 x 70 x 26 mm		95 x 70 x 26 mm	32 x 87 x 135 mm	150 x 43.8 x 72.94 mm	160 x 92.5 x 28 mm	56 x 87.8 x 135 mm	150 x 43.8 x 72.94 mm
	Operating Temperature	0~50 degrees C		0~50 degrees C	-40~75 degrees C		0~50 degrees C	-40~75 degrees C	
Regulatory	EMI/Safety	FCC Class A, CE		FCC Class A, CE			FCC Class A, CE		

PoE Injector Hubs

802.3at PoE+						
Model	HPOE-2400G	POE-2400G	HPOE-1200G	POE-1200G	HPOE-460	
Product Image						
Hardware	RJ45 Data Input Ports	24	24	12	12	4
	RJ45 Data + Power Output Ports	24	24	12	12	4
	Pass-through Data Rate	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps
PoE Spec.	PoE Standard	802.3af/802.3at	802.3af/802.3at	802.3af/802.3at	802.3af/802.3at	802.3af/802.3at
	PSE Type	Mid-span	Mid-span	Mid-span	Mid-span	Mid-span
	Power Pin Assignment	4/5(+), 7/8(-)	4/5(+), 7/8(-)	4/5(+), 7/8(-)	4/5(+), 7/8(-)	4/5(+), 7/8(-)
PoE Ability	PoE Port	24	24	12	12	4
	PoE Power Output	54V DC, 36 watts max.	54V DC, 36 watts max.	54V DC, 36 watts max.	54V DC, 36 watts max.	52V DC, 36 watts max.
	PoE Budget	720 watts max.	440 watts max.	360 watts max.	220 watts max.	120 watts max.
	Number of Class 2 PD @ 6.5 watts	24	24	12	12	4
	Number of Class 3 PD @ 12.9 watts	24	14	12	7	4
	Number of Class 4 PD @ 25 watts	24	14	12	7	4
Intelligent PoE Control	Over Temperature Protection	●	●	●	●	●
	PD Alive Check	-	-	-	-	-
	PoE Schedule	●	●	●	●	-
	Power Limit	●	●	●	●	-
	PoE Priority	●	●	●	●	-
	PoE Classification	●	●	●	●	-
	PoE Event/Threshold Trap	●	●	●	●	-
Management	Interface	HTTP/HTTPS	HTTP/HTTPS	HTTP/HTTPS	HTTP/HTTPS	-
	SNMP	v1, v2,v3 trap	v1, v2,v3 trap	v1, v2,v3 trap	v1, v2,v3 trap	-
Physical	Dimensions (W x D x H)	440 x 300 x 44 mm	440 x 300 x 44 mm	440 x 300 x 44 mm	440 x 300 x 44 mm	26 x 70 x 97 mm
	Rackmountable	●	●	●	●	Wall mount
	Power Supply	Internal	Internal	Internal	Internal	External
	Power Requirements	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	52V~56V DC
	Operating Temperature	0~50 degrees C	0~50 degrees C	0~50 degrees C	0~50 degrees C	0~50 degrees C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

PoE Injectors & Media Converters

802.3at PoE+					
Model	POE-163	POE-165	IPOE-162	IPOE-260	
Product Image					
Hardware	RJ45 Data Input Port	1 x RJ45	1 x RJ45	1 x RJ45	2 x RJ45
	RJ45 Data + Power Output Port	1 x RJ45	1 x RJ45	1 x RJ45	2 x RJ45
	Data Rate	10/100/1000Mbps	10/100/1G/2.5G/5GbpsMbps	10/100/1000Mbps	10/100/1000Mbps
PoE Spec.	PoE Standard	802.3af/802.3at	802.3af/802.3at	802.3af/802.3at	802.3af/802.3at
	PSE Type	Mid-span	Mid-span	Mid-span	Mid-span
	Power Pin Assignment	4/5(+), 7/8(-)	4/5(+), 7/8(-)	4/5(+), 7/8(-)	4/5(+), 7/8(-)
	PoE Port	1	1	1	2
	PoE Power Output	53V DC	53V DC	56V DC	54V/56V DC
	PoE Ability	30 watts	30 watts	30 watts	36 watts
Physical	Dimensions (W x D x H)	115 x 62.5 x 31 mm	115 x 62.5 x 31 mm	32 x 87 x 135 mm	30 x 70 x 105 mm
	Power Supply	Internal	Internal	External	External
	Power Requirements	100~240V AC,50/60Hz		12-48V DC	12-56V DC
	Operating Temperature	0~50 degrees C	0~50 degrees C	-40-75 degree C	-40-75 degree C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

802.3at PoE+				802.3af PoE	
Model		GTP-805A	IGTP-815AT	FTP-802	FTP-802S15
Product Image					
Hardware	RJ45 Data Input Port	1 x 1000X/LC/Vary on Module		1 x 100FX/SC/MM/2km	1 x 100FX/SC/MM/15km
	RJ45 Data + Power Output Port	1 x RJ45	2 x RJ45	1 x RJ45	1 x RJ45
	Data Rate	10/100/1000Mbps	10/100/1000Mbps	10/100Mbps	10/100Mbps
PoE Spec.	PoE Standard	802.3af/802.3at	802.3af/802.3at	802.3af	802.3af
	PSE Type	Mid-span	End-span	End-span	End-span
	Power Pin Assignment	4/5(+), 7/8(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
	PoE Port	1	1	1	1
	PoE Power Output	52V DC	56V DC	48V DC	48V DC
	PoE Ability	30 watts	36 watts	15.4 watts	15.4 watts
Physical	Dimensions (W x D x H)	97 x 70 x 26 mm	30 x 70 x 104 mm	97 x 70 x 26 mm	97 x 70 x 26 mm
	Power Supply	External	External	External	External
	Power Requirements	100~240V AC, 50/60Hz	48-56V DC	100~240V AC, 50/60Hz	
	Operating Temperature	0~50 degrees C	-40-75 degree C	0~50 degrees C	0~50 degrees C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

PoE Extenders & Splitters

PoE Extenders						
Model	POE-E201	POE-E202	POE-E304	IPOE-E174	IPOE-E302	
Product Image						
Hardware	Data + Power Input Port	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45
	Data + Power Output Port	1 x RJ45	2 x RJ45	4 x RJ45	4 x RJ45	2 x RJ45
	DC Output Voltage	PoE 48~56V DC, max. 510mA		PoE 44~55V DC, max. 510mA		PoE 48~56V DC, max. 510mA
	DIP Switch	-	-	-	-	-
	Data Rate	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps
PoE Spec.	PoE Standard	802.3af/802.3at	802.3af/802.3at	PD: Ultra PoE PSE: 802.3af/802.3at		802.3af/802.3at
	PSE Type	End-span	End-span	End-span	End-span	mid-span
	PoE Power Input	52~56V DC	52~56V DC	52~56V DC	44~55V DC	50~57V DC
Physical	Dimensions (W x D x H)	97 x 70 x 26 mm	97 x 70 x 26 mm	160 x 92.5 x 28 mm	32 x 85 x 135 mm	150 x 43.8 x 72.94 mm
	Operating Temperature	0~50 degrees C	0~50 degrees C	0~50 degrees C	-40~75 degrees C	-40~75 degrees C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

PoE Extenders & Splitters

PoE Splitters					PoE Tester
Model	POE-161S	POE-162S	IPOE-162S	POE-TESTER+	
Product Image					
Hardware	Data + Power Input Port	1 x RJ45	1 x RJ45	1 x RJ45	1 x RJ45
	Data Output Port	1 x RJ45	1 x RJ45	1 x RJ45	-
	DC Output Voltage	5V/12V	12V/24V DC, max. 2A	12V/24V DC, max. 2A	-
	DIP Switch	Adjustable 5V/12V DC	Adjustable 12V/24V DC	Adjustable 12V/24V DC	-
	Data Rate	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps
PoE Spec.	PoE Standard	802.3af/802.3at	802.3af/802.3at	802.3af/802.3at	802.3af/802.3at/802.3bt/Ultra PoE
	PD Type	Mid-span and End-span	Mid-span and End-span	Mid-span and End-span	Mid-span and End-span
	PoE Power Input	52~56V DC	52~56V DC	52~56V DC	36~57V DC
Physical	Dimensions (W x D x H)	97 x 70 x 25 mm	97 x 70 x 25 mm	135 x 87.8 x 32 mm	70 x 23 x 22 mm
	Operating Temperature	0~50 degrees C	0~50 degrees C	-40~75 degrees C	-10~60 degrees C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE	CE compliance

Long Reach PoE Series

Coaxial Switches				Industrial Coaxial Switch
Model	LRP-822CS	LRP-1622CS	LRP-422CST	
Product Image				
Ethernet Interfaces	10/100BASE-TX	-	-	-
	10/100/1000BASE-T	2 x RJ45	2 x RJ45	2 x RJ45
	1000BASE-SX/LX	2 x SFP slot	2 x SFP slot	2 x SFP slot
	Cabling	Copper: Cat5e or above Fiber: multi-mode 50/125um; Single mode 9/125um		
	Maximum Distance	Copper: 100m Fiber: vary on SFP module; up to 120km		
Long Reach PoE Interfaces	Connectivity	8 x BNC female	16 x BNC female	4 x BNC female
	Cabling	Coaxial cable: 75ohm	Coaxial cable: 75ohm	Coaxial cable: 75ohm
	Maximum Distance	1000m	1000m	1000m
	Data Rate	200m: 75Mbps/81Mbps (Download/Upload) 1000m: 31Mbps/38Mbps (Download/Upload)		
	Power Output	54V DC over coaxial, 36 watts max.	52V DC over coaxial, 36 watts max.	48~56V DC over coaxial, 36 watts max.
	Total Power Budget	240 watts max.	440 watts max.	144 watts max.
	Encryption	AES 128-bit	AES 128-bit	AES 128-bit
PoE Ability	PoE Standard	Power over coaxial	Power over coaxial	Power over coaxial
	PoE Port	8	16	4
	PoE Power Output	54V DC	52V DC	44~56V DC
Intelligent Power Control	Over Temperature Protection	●	●	●
	PD Alive Check	●	●	●
	PoE Schedule	●	●	●
	Power Limit	●	●	●
	Scheduled Power Recycling	●	●	●
Protocols	VLAN	802.1Q, Q-in-Q, Voice VLAN, Private VLAN		
	Spanning Tree	802.1D/802.1w/802.1s	802.1D/802.1w/802.1s	802.1D/802.1w/802.1s
	IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3
Management	Interface	Console, Telnet, HTTP	Console, Telnet, HTTP	Console, Telnet, HTTP
	SNMP	v1, v2c, v3, trap	v1, v2c, v3, trap	v1, v2c, v3, trap
	SSH/SSL	● / ●	● / ●	● / ●
Physical	Dimensions (W x D x H)	440 x 300 x 44 mm	440 x 300 x 44 mm	107 x 72 x 152 mm
	Power Requirements	100~240V AC, 50/60Hz	100~240V AC, 50/60Hz	Dual 48~56V DC
	Operating Temperature	0~50 degrees C	0~50 degrees C	-40~75 degrees C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Long Reach PoE Series

Long Reach PoE Injectors				
Model	LRP-101CH	LRP-101UH	LRP-111UH	
Product Image				
Ethernet Interfaces	10/100BASE-TX	1 x RJ45 PoE PD	1 x RJ45 PoE PD	1 x RJ45 PoE PD
	10/100/1000BASE-T	-	-	-
	PoE Power	-	-	-
	Cabling	Cat5e or above	Cat5e or above	Cat5e or above
	Maximum Distance	100m	100m	100m
Long Reach PoE Interfaces	Connectivity	1 x BNC female (PSE)	1 x RJ45 Copper (PSE)	1 x RJ45 Copper (PSE)
	Cabling	Coaxial cable: 75ohm	Copper: 4-pair or 1-pair UTP	Copper: 4-pair UTP
	Maximum Distance	1000m	500m	800m
	Data Rate (Down/upstream)	200m: 58Mbps/58Mbps 1000m: 48Mbps/46Mbps	200m: 58Mbps/58Mbps 500m: 56Mbps/56Mbps	500m: 100Mbps/100Mbps 800m: 10Mbps/10Mbps
	Power Output	56V DC, 36 watts max.	56V DC, 36 watts max.	54V DC, 60 watts max.
	Total Power Budget	36 watts max.	36 watts max.	70 watts max.
	Encryption	AES 128-bit	AES 128-bit	-
PoE Ability	PoE Standard	Power over coaxial	Power over UTP	Power over UTP
	PoE Port	1 x BNC female (PSE)	1 x UTP	1 x UTP
	PoE Power Output	44~56V DC	44~56V DC	54V DC
Physical	Dimensions (W x D x H)	90 x 70 x 26 mm	90 x 70 x 26 mm	104 x 70 x 30 mm
	Power Requirements	DC: 48~56V DC PoE: 802.3at input	DC: 48~56V DC PoE: 802.3at input	DC: 52~54V DC PoE: 802.3bt input
	Operating Temperature	-20 ~ 70 degree C	-20 ~ 70 degree C	-40 ~ 75 degree C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Long Reach PoE Extenders				
Model	LRP-101CE	LRP-101UE	LRP-111UE	
Product Image				
Ethernet Interfaces	10/100BASE-TX	1 x RJ45 PoE PSE	1 x RJ45 PoE PSE	1 x RJ45 PoE PSE
	10/100/1000BASE-T	-	-	-
	PoE Power	44~54V DC, 600mA max.	44~54V DC, 600mA max.	54V DC, 1.1A max.
	Cabling	Cat5e or above	Cat5e or above	Cat5e or above
	Maximum Distance	100m	100m	100m
Long Reach PoE Interfaces	Connectivity	1 x BNC female (PD)	1 x RJ45 Copper (PD)	1 x RJ45 Copper (PD)
	Cabling	Coaxial cable: 75ohm	Copper: 4-pair or 1-pair UTP	Copper: 4-pair UTP
	Maximum Distance	1000m	500m	800m
	Data Rate (Down/upstream)	200m: 58Mbps/58Mbps 1000m: 48Mbps/46Mbps	200m: 58Mbps/58Mbps 500m: 56Mbps/56Mbps	500m: 100Mbps/100Mbps 800m: 10Mbps/10Mbps
	Power Output	-	-	-
	Total Power Budget	-	-	-
	Encryption	AES 128-bit	AES 128-bit	-
PoE Ability	PoE Standard	802.3af/802.3at	802.3af/802.3at	802.3bt
	PoE Port	1 x RJ45	1 x RJ45	1 x RJ45
	PoE Power Output	54V DC, 600mA max.	54V DC, 600mA max.	54V DC, 1.1A max.
Physical	Dimensions (W x D x H)	90 x 70 x 26 mm	90 x 70 x 26 mm	104 x 70 x 30 mm
	Power Requirements	44~57V DC PoC or PoU	44~57V DC PoC or PoU	52~54V DC PoC or PoU
	Operating Temperature	-20 ~ 70 degree C	-20 ~ 70 degree C	-40 ~ 75 degree C
Regulatory	EMI/Safety	FCC Class A, CE	FCC Class A, CE	FCC Class A, CE

Fiber Optic Transceivers

Fast Ethernet Transceivers (100BASE-X SFP)							
Model	MFB-FX	MFB-F20	MFB-F40	MFB-F60	MFB-F120	MFB-TFX	MFB-TF20

Product Image							
Speed (Mbps)	100	100	100	100	100	100	100
Connector Interface	LC	LC	LC	LC	LC	LC	LC
Fiber Mode	Multi Mode	Single Mode	Single Mode	Single Mode	Single Mode	Multi Mode	Single Mode
Distance	2km	20km	40km	60km	120km	2km	20km
Wavelength (nm)	1310nm	1310nm	1310nm	1310nm	1550nm	1310nm	1550nm
Operating Temp.	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	-40~85°C	-40~85°C

Fast Ethernet Transceivers (100BASE-BX, Single Fiber Bi-Directional SFP)								
Model	MFB-FA20	MFB-FB20	MFB-TFA20	MFB-TFB20	MFB-TFA40	MFB-TFB40	MFB-TSA	MFB-TSB

Product Image								
Speed (Mbps)	100	100	100	100	100	100	100	100
Connector Interface	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	LC	LC
Fiber Mode	Single Mode	Single Mode	Single Mode	Single Mode	Multi Mode	Multi Mode	Multi Mode	Multi Mode
Distance	20km	20km	20km	20km	40km	40km	2km	2km
Wavelength (nm)	TX: 1310nm RX: 1550nm	TX: 1550nm RX: 1310nm	TX: 1310nm RX: 1550nm	TX: 1550nm RX: 1310nm	TX: 1310nm RX: 1550nm	TX: 1550nm RX: 1310nm	TX: 1310nm RX: 1550nm	TX: 1550nm RX: 1310nm
Operating Temp.	0 ~ 60°C	0 ~ 60°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C

Gigabit Ethernet Transceivers (1000BASE-X/ Fiber Channel SFP)													
Model	MGB-GT	MGB-SX	MGB-SX2	MGB-LX	MGB-L40	MGB-L80	MGB-L120	MGB-TGT	MGB-TSX	MGB-TSX2	MGB-TLX	MGB-TL40	MGB-TL80

Product Image													
Speed (Mbps)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Connector Interface	Copper	LC	LC	LC	LC	LC	LC	Copper	LC	LC	LC	LC	LC
Fiber Mode	-	Multi Mode		Single Mode		Single Mode		-	Multi Mode		Single Mode		
Distance	100m	550m	2km	20km	40km	80km	120km	100m	550m	2km	20km	40km	80km
Wavelength (nm)	-	850nm	1310nm	1310nm	1310nm	1550nm	1550nm	-	850nm	1310nm	1310nm	1310nm	1550nm
Operating Temp.	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C

Gigabit Ethernet Transceivers (1000BASE-BX, Single Fiber Bi-Directional SFP)										
Model	MGB-LA10	MGB-LB10	MGB-LA20	MGB-LB20	MGB-LA40	MGB-LB40	MGB-LA80	MGB-LB80	MGB-TSA	

Product Image										
Speed (Mbps)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Connector Interface	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	Simplex LC/UPC
Fiber Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single-mode
Distance	10km	10km	20km	20km	40km	40km	80km	80km	80km	10km
Wavelength (TX)	1310nm	1550nm	1310nm	1550nm	1310nm	1550nm	1310nm	1550nm	1310nm	1310nm
Wavelength (RX)	1550nm	1310nm	1550nm	1310nm	1550nm	1310nm	1550nm	1310nm	1550nm	1550nm
Operating Temp.	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	-40~85°C

Gigabit Ethernet Transceivers (1000BASE-BX, Single Fiber Bi-Directional SFP)									
Model	MGB-TSB	MGB-TLA10	MGB-TLB10	MGB-TLA20	MGB-TLB20	MGB-TLA40	MGB-TLB40	MGB-TLA80	MGB-TLB80

Product Image									
Speed (Mbps)	1000	1000	1000	1000	1000	1000	1000	1000	1000
Connector Interface	Simplex LC/UPC	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)
Fiber Mode	Single-mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode	Single Mode
Distance	10km	10km	10km	20km	20km	40km	40km	80km	80km
Wavelength (TX)	1550nm	1310nm	1550nm	1310nm	1550nm	1310nm	1550nm	1310nm	1550nm
Wavelength (RX)	1310nm	1550nm	1310nm	1550nm	1310nm	1550nm	1310nm	1550nm	1310nm
Operating Temp.	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C

Gigabit Ethernet Transceivers (2500BASE-X, SFP)												
Model	MGB-2GSR	MGB-2GLR2	MGB-2GLR20	MGB-2GLA20	MGB-2GLB20	MGB-2GTSR	MGB-2GTLR2	MGB-2GTLR20	MGB-2GTLA20	MGB-2GTLB20		
Product Image												
Speed (Mbps)	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500		
Connector Interface	Dual LC/UPC			Simplex LC/UPC		Dual LC/UPC	Duplex LC/UPC		Simplex LC/UPC			
Fiber Mode	Multi-mode	Single Mode		Single Mode		Multi-mode	Single Mode		Single Mode			
Distance	300m	2km	20km	20km	20km	300m	2km	20km	20km	20km		
Wavelength (nm)	850nm	1310nm	1310nm	TX:1310nm RX:1550nm		TX:1550nm RX:1310nm		850nm	1310nm	1310nm	TX:1310nm RX:1550nm	TX:1550nm RX:1310nm
Operating Temp.	0~70℃	0~70℃	0~70℃	0~70℃	0~70℃	-40~85℃	-40~85℃	-40~85℃	-40~85℃	-40~85℃		

10Gbps SFP+ (10G Ethernet/10GBASE)											
Model	MTB-RJ	MTB-SR	MTB-SR2	MTB-LR	MTB-LR20	MTB-LR40	MTB-LR60	MTB-LR80	MTB-LA10	MTB-LB10	MTB-LA20
Product Image											
Speed (Mbps)	10G	10G	10G	10G	10G	10G	10G	10G	10G	10G	10G
Connector Interface	RJ45	LC	LC	LC	LC	LC	LC	LC	WDM(LC)	WDM(LC)	WDM(LC)
Fiber Mode	-	Multi Mode	Single Mode	Single Mode		Single Mode		Single Mode		Single Mode	
Distance	300m	Up to 300m	Up to 2km	10km	20km	40km	60km	80km	10km	10km	20km
Wavelength (nm)	-	850nm	1310nm	1310nm	1310nm	1310nm	1550nm	1550nm	TX:1270nm RX:1330nm	TX:1330nm RX:1270nm	TX:1270nm RX:1330nm
Operating Temp.	0 ~ 70°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C

10Gbps SFP+ (10G Ethernet/10GBASE)										
Model	MTB-LB20	MTB-LA40	MTB-LB40	MTB-LA60	MTB-LB60	MTB-LA70	MTB-LB70	MTB-TSR	MTB-TSR2	MTB-TLR
Product Image										
Speed (Mbps)	10G	10G	10G	10G	10G	10G	10G	10G	10G	10G
Connector Interface	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	LC	LC	LC
Fiber Mode	Single Mode			Single Mode		Single Mode		Multi Mode	Single Mode	
Distance	20km	40km	40km	60km	60km	70km	70km	Up to 300m	Up to 2km	10km
Wavelength (nm)	TX:1330nm RX:1270nm	TX:1270nm RX:1330nm	TX:1330nm RX:1270nm	TX:1270nm RX:1330nm	TX:1330nm RX:1270nm	TX:1270nm RX:1330nm	TX:1330nm RX:1270nm	850nm	1310nm	1310nm
Operating Temp.	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	0 ~ 60°C	-40~85°C	-40~85°C	-40~85°C

10Gbps SFP+ (10G Ethernet/10GBASE)									
Model	MTB-TLR20	MTB-TLR40	MTB-TLR60	MTB-TLA20	MTB-TLB20	MTB-TLA40	MTB-TLB40	MTB-TLA60	MTB-TLB60
Product Image									
Speed (Mbps)	10G	10G	10G	10G	10G	10G	10G	10G	10G
Connector Interface	LC	LC	LC	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)	WDM(LC)
Fiber Mode	Single Mode		Single Mode		Single Mode		Single Mode		
Distance	20km	40km	60km	20km	20km	40km	40km	60km	60km
Wavelength (nm)	1310nm	1310nm	1550nm	TX:1270nm RX:1330nm	TX:1330nm RX:1270nm	TX:1270nm RX:1330nm	TX:1330nm RX:1270nm	TX:1270nm RX:1330nm	TX:1330nm RX:1270nm
Operating Temp.	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C	-40~85°C

100G QSFP28			40Gbps QSFP+ (40Ethernet/40GBASE)	
Model	QSFP-100G-SR4	QSFP-100G-LR4	QSFP-40G-SR4	QSFP-40G-LR4
Product Image				
Speed (Mbps)	100G	100G	40G	40G
Connector Interface	MPO	LC	MPO	LC
Fiber Mode	Multi Mode	Single Mode	Multi Mode	Single Mode
Distance	Up to 100m	10km	Up to 100m	10km
Wavelength (nm)	850nm	1310nm	850nm	1310nm
Operating Temp.	0 ~ 60°C	0 ~ 60°C	0 ~ 70°C	0 ~ 70°C

