

DCN

SWITCH TO NEW GENERATION



SERIA PRZEŁĄCZNIKÓW ETHERNET

S5750E

▶ 10GB

▶ up to 40GB stack

▶ 802.3 at

▶ 370W 740W PoE



S5750E-28X-SI

24 GE ports

S5750E-52X-SI

48 GE ports

S5750E-28X-P-SI

PoE, 370W

S5750E-52X-P-SI

PoE, 740W

S5750E-28X-SI-24F-D

24 SFP, AC/DC

S5750E-16X-SI

16 SFP+. AC/DC



DYSTRYBUTOR W POLSCE



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S5750E



Feature / Model	S5750E-28X-SI	S5750E-52X-SI	S5750E-28X-SI-24F-D	S5750E-28X-P-SI	S5750E-52X-P-SI	S5750E-16X-SI
Switch Classification						
Layer 2						
Layer 3	✓	✓	✓	✓	✓	✓
Connectivity						
10/100Base-T, fixed	-	-	-	-	-	-
10/100Base-T PoE, fixed	-	-	-	-	-	-
10/100/1000Base-T, fixed	24	48	-	-	-	-
10/100/1000Base-T PoE, fixed	-	-	-	24	48	-
Dual personality ports(Fixed RJ45 1000Base-T or SFP Open slots)	-	-	4	-	-	-
Open SFP slot (GbE)	-	-	20	-	2	-
Open SFP+ slot (10GbE)	4	4	4	4	2	16
Performance						
Switch fabric speed,Gbps	128	176	128	128	176	320
Forwarding Rate (Mpps)	96	132	96	96	105	238
Packet buffer,Bytes	1.5M	1.5M	1.5M	1.5M	1.5M	1.5M
Jumbo Frame	9k	9k	9k	9k	9k	9k
MAC address Table	16K	16K	16K	16K	16K	16K
Multicast MAC address Table	1k	1k	1k	1k	1k	1k
ACL Table	1K	1K	1K	1K	1K	1K
CPU	400MHZ	400MHZ	1GHZ	400MHZ	400MHZ	500MHZ
Flash	32M	32M	32M	32M	32M	32M
RAM	256M	256M	256M	256M	256M	256M
Resilience and availability						
IEEE 802.1D STP/802.1w RSTP/802.1s MSTP	✓	✓	✓	✓	✓	✓
IEEE 802.3ad LACP(max # trunks/links per trunk)	128/8	128/8	128/8	128/8	128/8	128/8
Virtual Cable Testing	✓	✓	✓	✓	✓	✓
DDM	✓	✓	✓	✓	✓	✓
LLDP	✓	✓	✓	✓	✓	✓
Loop guard	✓	✓	✓	✓	✓	✓
Traffic control						
802.1Q VLANs	4k	4k	4k	4k	4k	4k
Port-based VLAN	✓	✓	✓	✓	✓	✓
Protocol-based VLAN	✓	✓	✓	✓	✓	✓
IP subnet based VLAN	✓	✓	✓	✓	✓	✓
Voice VLAN	✓	✓	✓	✓	✓	✓
Mac VLAN	✓	✓	✓	✓	✓	✓
LACP algorithm of source/destination IP	✓	✓	✓	✓	✓	✓
GVRP	✓	✓	✓	✓	✓	✓
802.1ad Vlan Stacking (QinQ)	✓	✓	✓	✓	✓	✓
Selective QinQ	✓	✓	✓	✓	✓	✓
Security						
Layer 2 MAC filtering	✓	✓	✓	✓	✓	✓
BPDU Tunnel	✓	✓	✓	✓	✓	✓
Login authentication and authorization By RADIUS and TACACS+	✓	✓	✓	✓	✓	✓
TACACS+ accounting/ auditing	✓	✓	✓	✓	✓	✓
SSH v1/v2	✓	✓	✓	✓	✓	✓
DHCP/DHCPv6 snooping	✓	✓	✓	✓	✓	✓
IP/Pv6 Source Guard	✓	✓	✓	✓	✓	✓
port security	✓	✓	✓	✓	✓	✓
Quality of Service						
802.1p Priority Queues per Port	8	8	8	8	8	8
802.1p Queuing method	✓	✓	✓	✓	✓	✓
Trusted COS/TOS/P Precedence/DSCP/Port	✓	✓	✓	✓	✓	✓
Broadcast Storm Control	✓	✓	✓	✓	✓	✓
Rate Limiting, port based	✓	✓	✓	✓	✓	✓
Queuing method(SP/WRR/ SP+WRR)	✓	✓	✓	✓	✓	✓
Layer 2 & Layer 3 Multicast						
Multicast VLAN	✓	✓	✓	✓	✓	✓
IGMP Query	✓	✓	✓	✓	✓	✓
IGMP Snooping (v1,v2,v3)	✓	✓	✓	✓	✓	✓
IGMP Snooping Fast Leave(v2,v3)	✓	✓	✓	✓	✓	✓
Pv6 MLD v1/v2 Snooping	✓	✓	✓	✓	✓	✓
Layer 3 IPv6						
IPv4/IPv6 Dual Protocol Stack	✓	✓	✓	✓	✓	✓
IPv6 address	✓	✓	✓	✓	✓	✓
Manageability						
Console Port	✓	✓	✓	✓	✓	✓
Web Interface	✓	✓	✓	✓	✓	✓
Management through console, telnet, SNMP	✓	✓	✓	✓	✓	✓
TFTP/FTP	✓	✓	✓	✓	✓	✓
Configuration backup and restore	✓	✓	✓	✓	✓	✓
Multilevel CLI	✓	✓	✓	✓	✓	✓
DNS Client	✓	✓	✓	✓	✓	✓
DHCP Client/Relay/Server	✓	✓	✓	✓	✓	✓
DHCP relay per VLAN	✓	✓	✓	✓	✓	✓
DHCP option 43/60/82	✓	✓	✓	✓	✓	✓
DHCPv6 option37/38	✓	✓	✓	✓	✓	✓
DHCPv6 Relay/Server	✓	✓	✓	✓	✓	✓
NTP	✓	✓	✓	✓	✓	✓
Port Mirroring	✓	✓	✓	✓	✓	✓
Port Mirroring per IP/TCP/UDP	✓	✓	✓	✓	✓	✓
RSPAN	✓	✓	✓	✓	✓	✓
ERSPAN	✓	✓	✓	✓	✓	✓
OAM EFM/CFM	✓	✓	✓	✓	✓	✓
MIB						
RFC 1066 TCP/IP- based MIB	✓	✓	✓	✓	✓	✓
RFC1213, 1157 SNMPv2c/v3 MIB	✓	✓	✓	✓	✓	✓
RFC1493 bridge MIB	✓	✓	✓	✓	✓	✓
RFC 2674 bridge MIB extension	✓	✓	✓	✓	✓	✓
RFC1643 ethernet MIB	✓	✓	✓	✓	✓	✓
RFC1757 RMON group 1,2,3,9	✓	✓	✓	✓	✓	✓
RFC 2925 Remote Management MIB	✓	✓	✓	✓	✓	✓
RFC 2233 (rfc2233) - SMIV2 MIB	✓	✓	✓	✓	✓	✓
Physical						
Dimensions (Width x Height x Depth)	443mm x 44mm x 230mm	443mm x 44mm x 280mm	443mm x 44mm x 220mm	442mm x 43.6mm x 280mm	442mm x 43.6mm x 280mm	440mm x 44mm x 240mm
Operating Temperature	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C
Power Supply	AC	AC	AC + 48VDC	AC	AC + 52-57VDC	AC + 48VDC
Internal PoE Power	-	-	-	✓	✓	-
Electrical						
Maximum Power Consumption, Watts	23W	37W	42W	467W	897W	23.7W
Maximum PoE Power output, Watts	-	-	-	370W	740W	-