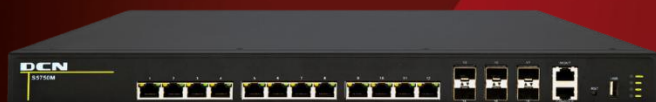


ETHERNET ACCESS SWITCHES S5750M SERIES

Ready for



S5750M-18X-P-SI



S5750M-30X-P-SI



Full
Layer 3



PIM Router



PoE++
Support



Multi Gigabit
ports



Features without
hiding costs



Headquarters

30-633 Kraków, ul. Walerego Sławka 8a, Poland



WWW

dcneurope.eu



E-mail

sales@dcneurope.eu

FULL LAYER 3

- The S5750M series provides powerful switches working in Layer 2 and Layer 3 offering up to 16,000 routing table entries.
- RIP, OSPF and BGP provide dynamic routing by exchanging route information with other layer 3 switches or routers.
- With the S5750M series devices, customers can easily achieve Policy-Based Routing (PBR) functionality when multiple output applications are needed.

PIM ROUTER

- The S5750M series is equipped with a wide range of Protocol Independent Multicast (PIM) functions, including PIM-DM, PIM-SM, PIM-SSM and MSDP.
- Based on PIM router's function, the S5750M series switch can act as a proxy server for multicast traffic. With having many television clients, we can limit the amount of traffic coming from the operator.

POE++ SUPPORT

- The switches from S5750M series guarantee cooperation with end devices which require power supply according IEEE 802.3bt standard, commonly known as PoE++ (60W).
- With using redundant PSU (hot-swappable), the device is able to provide up to 1060W of power budget for all supported PoE standards.

MULTI GBIT PORTS

- The S5750M series offers up to 10 gigabit ports, which allows for faster transmission with end devices connected to these ports directly.
- Devices with 2,5/5/10 gigabit ports are adapted particularly for Wifi 6 networks designed based on standard IEEE 802.11ax

FEATURES WITHOUT HIDING COSTS

- With using switches of the S5750M series you can be sure that the equipment which you are using has all available functionalities without the needs to purchase additional licenses.

S5750M	18X-P-SI	30X-P-SI
Switch Classification		
Layer 3	√	√
Stackable	√	√
Connectivity		
100/1000/2.5GBase-T PoE	–	24
100/1000/2.5G/5G/10GBase-T PoE	12	–
Open SFP+ slot (10GbE)	–	4
Open SFP28 slot (10GbE/25GbE)	6	–
Open QSFP+ (40GbE)	–	2
Performance		
Switch fabric speed,Gbps	540	360
Forwarding Rate (Mpps)	405	267,84
Packet buffer,Bytes	4M	4M
Jumbo Frame	10K	16K
MAC address Table	32K	32K
ACL Table	3K	3K
Routing entries	16K	16K
ARP entries	8K	16K
Routing domains (IP interface)	1024	1024
CPU	dual-core ARM cortex A55 1.2GHz	dual-core ARM cortex A9 1GHz
Flash	32MB SPI 128MB NAND	32MB SPI 128MB NAND
RAM	1G	1G
Resilience and availability		
IEEE 802.1D STP/802.1w RSTP/802.1s MSTP	√	√
MST instance	64	64
Loop guard	√	√
Root guard	√	√
IEEE 802.3ad LACP(max # trunks/links per trunk)	128/8	128/8
VRRP	√	√
ITU-T G.8032(ERPS)	√	√
Loopback-detection	√	√
Traffic control		
802.1Q VLANs	4K	4K
Super VLAN	√	√
LACP algorithm of source/destination IP	√	√
GVRP	√	√
802.1ad Vlan Stacking (QinQ)	√	√
Selective QinQ	√	√
Flexible QinQ	√	√
VLAN translation	√	√
Port isolation	√	√
Security		
Layer 2 MAC filtering	√	√
BPDU Tunnel	√	√
SSH v1/v2	√	√
DHCP/DHCPv6 snooping, VLAN-based	√	√
User-defined DHCP option 82	√	√
CPU protection	√	√
IP/IPv6 Source Guard	√	√
ARP inspection	√	√
port security	√	√
802.1X	√	√
Guest VLAN & Auto VLAN	√	√
QoS		
Egress Queues per Port	8	8
Classification according to cos / dscp	√	√
Prioritize from DSCP to 802.1p	√	√
Remark cos / dscp / vid	√	√
Broadcast Storm Control	√	√
Rate Limiting, port based	√	√
Queuing scheduling method(SP/WRR/ SP +WRR)	SP/WDRR/SWDRR	SP, WRR, SWRR, WDRR, SWDRR
Weighted Random Early Detection (WRED)	–	√
L2/L3 Multicast		
Multicast VLAN	√	√
IGMP v1,v2, v3	√	√
IGMP Query	√	√
IGMP Snooping (v1,v2,v3)	√	√
IGMP Snooping Fast Leave(v2,v3)	√	√
IGMP multicast groups	2k	2k
PIM-DM/SM/SSM	√	√
anycast RP	√	√
IPv6 MLD v1/v2 Snooping	√	√

S5750M	18X-P-SI	30X-P-SI
Routing		
RIP v1,v2	✓	✓
OSPF v2	✓	✓
ISIS	–	–
BGP4	✓	✓
IPv6 Static Route	✓	✓
RIPng	✓	✓
OSPFv3	✓	✓
BGP4+	✓	✓
Layer 3 IPv6		
IPv4/IPv6 Dual Protocol Stack	✓	✓
Telnet / SSH / web over IPv6	✓	✓
IPv6 Tunneling	✓	✓
Manageability		
Web interface via http/https	✓	✓
Management through console, telnet, web, SNMP	✓	✓
Ping / traceroute	✓	✓
5 simultaneous Telnet / SSH sessions at least	✓	✓
Configuration backup and restore	✓	✓
Multilevel CLI	✓	✓
Encrypted password & community	✓	✓
Login authentication and authorization by RADIUS and TACACS+	✓	✓
Accounting commands entered via TACACS + and Syslog	✓	✓
TFTP/FTP/SFTP	✓	✓
DHCP Client/Relay/Server	✓	✓
DHCP relay per VLAN	✓	✓
DHCP option 43/60/82	✓	✓
DHCPv6 option37/38	✓	✓
DHCPv6 Relay/Server	✓	✓
NTP	✓	✓
Port Mirroring	✓	✓
Mirroring sessions	7	4
Port Mirroring per IP/TCP/UDP	✓	✓
RSPAN	✓	✓
ERSPAN	–	–
OAM EFM/CFM	✓	✓
VCT(VCT(Virtual Cable Testing))	✓	✓
DDM	✓	✓
LLDP/LLDP-MED	✓	✓
SNMP v2c/v3	✓	✓
SNMP traps	✓	✓
Syslog	✓	✓
UDLD	✓	✓
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*Height*Depth)	440mm×44mm×320mm	440mm×44mm×380mm
Operating Temperature	0℃ ~ 50℃	0℃ ~ 50℃
Power Supply	AC + 48VDC	Modular AC (1+1 redundant, standard with 1 AC)
Internal PoE Power	✓	✓
Console port	✓	✓
Cooling	Active	Active
Electrical		
Maximum Power Consumption, Watts	<440W	<1200W
Maximum PoE Power output, Watts	370W	1060W