

S5750E(R2) Series L3 10G Fiber Routing Switch

Product Overview

DCN S5750E series switch is full fiber stackable routing switches with fixed, built-in 10GbE uplink ports. These fully managed switches provide high availability, scalability, security, energy efficiency, and easy operation with rich L3 features. It is ideal for aggregation or access layer for campus, enterprise, government and service provider networks.

Appearance	Description
	● 8 x 100/1000Base-X (SFP) + 4 x GE Combo (RJ45/SFP) + 4
	x 10GbE (SFP+)
	• 1 console, 1 USB, 1 RJ45 management port
المراجعة	● AC + 48VDC power supply
S5750E-16F-SI-D	Switching capacity: 112Gbps
	Forwarding rate: 83Mpps
	● 16 x 100/1000Base-X (SFP) + 8x GE Combo(GT/SFP) + 4 x
	10GE(SFP+)
مُعَالِبً المسلم المسلم المعارف العالم	• 1 console, 1 USB, 1 RJ45 management port
	● AC + 48VDC power supply
S5750E-28F-SI-D	• Switching capacity: 128Gbps
	Forwarding rate: 95Mpps
	• 48 x 100/1000Base-X (SFP) + 4 x 10GbE (SFP+)
	• 1 console, 1 USB, 1 RJ45 management port
production production institution from the same	• AC + 48VDC power supply
Control of the Contro	Switching capacity: 176Gbps
S5750E-52F-SI-D	Forwarding rate: 131Mpps



Key Features and Highlights

Performance and Scalability

With high switching capacity, S5750E(R2) series support wire-speed L2/L3 forwarding and high routing performance for IPv4 and IPv6 protocols.

The 10 Gigabit Ethernet connectivity of S5750E(R2) is accomplished via a hot-pluggable 10 Gigabit SFP+ transceiver which supports distance up to 300 meters over multimode fiber and 10 to 40km over single-mode fiber (The distance depends on the optical module chosen).

VSF (Virtual Switch Framework)

Virtual Switch Framework can virtualize multiple DCN switches into one logical device, achieving the sharing of information and data tables between different switches. The performance and ports density of the virtualized device is greatly enlarged by times under VSF. VSF also simplifies management work for the network administrator and provides more reliability.

Rich L3 Features

S5750E(R2) series delivers high-performance, hardware-based IP routing. RIP, OSPF, and BGP provide dynamic routing by exchanging routing information with other Layer 3 switches and routers. With S5750E(R2) series, customers could easily achieve Policy-based Route (PBR), which is important when they need a multi exit application.

Strong Multicast

S5750E(R2) series supports abundant multicast features. In Layer 2, such as IGMPv1/v2/v3 snooping and fast leave. L3 multicast protocols such as

IGMPv1/v2/v3. With Multicast VLAN Register (MVR), multicast receiver/sender control and illegal multicast source detect functions; S5750E(R2) series provides a great application experience for the customer.

High-Reliability network

MRPP is a Multi-layer Ring Protection Protocol, which is DCN's private fast Ethernet ring protocol. Comparing to spanning tree protocol, it has the advantages of fast convergence, simple protocol calculation, fewer system resources cost, and so on, which can improve the reliability of Ethernet network operation.

Comprehensive QoS

With 8 queues per port, S5750E(R2) series enable differentiated management of up to 8 traffic types. The traffic is prioritized according to IEEE802.1p, DSCP, IP precedence, and TCP/UDP port number, giving optimal performance to real-time applications such as voice and video.

S5750E(R2) series also supports Bi-directional rate-limiting, per port or traffic class preserves network bandwidth, and allows full control of network resources.

Abundant IPv6 Support

S5750E(R2) series supports IPv6 switching and routing based on hardware for maximum performance. With increased network devices growing the need for larger addressing and higher security become critical, S5750E(R2) series will be the right product to meet this requirement.

Specifications

Item	S5750E-16F-SI-D	S5750E-28F-SI-D	S5750E-52F-SI-D	
Physical port	8 x 100/1000Base-X (SFP) + 4	16 x 100/1000Base-X (SFP) +	48 x 100/1000Base-X (SFP) + 4	
	x GE Combo (RJ45/SFP) + 4 x	8x GE Combo (GT/SFP) + 4 x	x 10GbE (SFP+)	
	10GbE (SFP+)	10GE(SFP+)	Auto-MIDX	
	Auto-MIDX	Auto-MIDX		
Managamant	1 x RJ45 Ethernet Management port			
Management	1x Console port			
port	1x USB2.0 interface			
Performance				
Switching	112Gbps	128Gbps	176Gbps	
Capacity	112Gops	128Gbps		
Forwarding	83Mpps	95Mpps	131Mpps	
rate	oswipps	93Mpps	ТЭТМІРРЯ	
Jumbo Frame	10K	10K	10K	
MAC Address	16K	16K	16K	

Tel: +86-10-82707033 Fax: +86-10-82705112

Email: dcnsales@digitalchina.com, sales@dcnglobal.com



	1.22	1	1.22	
ARP Table	4K	4K	4K	
Routing Table	1K	1K	1K	
ACL Table	1K	1K	1K	
Physical				
Dimension (W*H*D)	330mm x 44mm x 230mm	440mm x 44mm x 240mm	440mm*44mm*320mm	
Relative Humidity	10%~90% non-condensing, stor	age 95%		
Temperature	Working 0°C~50°C, storage -40	0°C~70°C		
D C l	AC:100~240VAC, 50~60Hz + AC:100~240VAC, 50~60Hz + AC:100~240VAC, 50~60Hz +			
Power Supply	48V DC	48V DC	48V DC	
Power	<22W	<34W	<60W	
Consumption				
Main Features				
L1, L2 Features	IEEE802.3(10Base-T), IEEE802.3u(100Base-TX), IEEE802.3z(1000BASE-X), IEEE802.3ab(1000Base-T), IEEE802.3ac(10GBase), IEEE802.3x, IEEE802.3ak(10GBASE-CX4) Port loopback detection LLDP and LLDP-MED UDLD 802.3ad LACP, max 128 group trunks with max 8 ports for each trunk LACP load balance ERPS (G.8032) N:1 Port Mirroring RSPAN IEEE802.1d(STP) IEEEE802.1w(RSTP) IEEEE802.1s(MSTP) Root Guard BPDU Guard BPDU Guard BPDU Tunnel 802.1Q, 4K VLAN MAC VLAN, Voice VLAN, PVLAN, Protocol VLAN, Multicast VLAN QinQ, Flexible QinQ GVRP N:1 VLAN Translation Broadcast / Multicast / Unicast Storm Control IGMP v1/v2/v3 Snooping and L2 Query ND Snooping MLDv1/v2 Snooping MLDv1/v2 Snooping Port Security Flow Control: HOL, IEEE802.3x Bandwidth Control			
L3 Features	Static Routing, RIPv1/v2, OSPFv2, BGP4 OSPFv3, BGP4+ OSPF multiple processes LPM Routing Policy-based routing (PBR) for IPv4 and IPv6 VRRP URPF, ECMP BFD IGMP v1/v2/v3, IGMP Proxy, Static Multicast Route Multicast Receive Control Illegal Multicast Source Detect			

Website: www.dcnglobal.com

Tel: +86-10-82707033 Fax: +86-10-82705112

Email: dcnsales@digitalchina.com, sales@dcnglobal.com



Anti ARP Cheat, Anti ARP Sean DNS Client, DNS Relay GRE Tunnel foto Tunnel, Configured Tunnel, ISATAP Tunnel, GRE Tunnel ICMP6, ND, DNS% IPv6 LPM Routing, IPv6 Policy-based Routing (PBR) IPv6 LPM Routing, IPv6 Policy-based Routing (PBR) IPv6 LPM Routing, IPv6 Policy-based Routing (PBR) IPv6 LPM Routing, IPv6 IRPF, IPv6 RA RIPng, GSP73, BGP4+ MLD Snooping, IPv6 Multicast VLAN MLDv1/v2, IPv6 Anycast RP, IPv6 ACL, IPv6 QoS 8 Quees SWRR, SP, WRR, WDRR, SWDRR Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI MarkRemark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Security FTP/TFTP Security Security Security Security FTP/TFTP SC Security Security Security FTP/TFTP Vetwork SNTP/NTP Management Center VSF (Virtual Switch Framework)				
DNS Client, DNS Relay GRE Tunnel 6to4 Tunnel, Configured Tunnel, ISATAP Tunnel, GRE Tunnel (ICMPv6, ND, DNSv6 IPv6 LPM Routing, IPv6 Policy-based Routing (PBR) IPv6 VRRPv3, IPv6 URPF, IPv6 RA RIPng, OSPFv3, BGP4+ MLD Snooping, IPv6 Multicast VLAN MLDv1/v2, IPv6 Anyeast RP, IPv6 ACL, IPv6 QoS 8 Queues SWRR, SP, WRR, WDRR, SWDRR Traffic Classification Based on 802. Ip COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 SFlow Traffic Analysis SFlow Traffic Analysis SION Traffic Analysis Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features One of the Tunnel, ISATAP Frefeatures Data Center Features DATE Transcript Transcri		ARP Guard, Local ARP proxy, Proxy ARP, ARP Binding, Gratuitous ARP, ARP Limit		
GRE Tunnel 604 Tunnel, Configured Tunnel, ISATAP Tunnel, GRE Tunnel ICMPv6, ND, DNSv6 Pv6 LPM Routing, IPv6 Policy-based Routing (PBR) IPv6 VRRPv3, IPv6 URPF, IPv6 RA RIPng, OSPFv3, BGP4+ MLD Snooping, IPv6 Multicast VLAN MLDv1v2, IPv6 Anycast RP, IPv6 ACL, IPv6 QoS 8 Queues SWRR, SR, WRR, WDRR, SWDRR Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence, VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 TAGACS+ for IPv4 and IPv6 TAGTACS+ for IPv4 and IPv6 MAB DHCPv4/v6 PHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 Iraffic Monitor Flow Traffic Analysis CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFP Network Management Ontal Center VSF (Virtual Switch Framework)				
100 100		•		
ICMPv6, ND, DNSv6 IPv6 LPM Routing, IPv6 Policy-based Routing (PBR) IPv6 VRRPv3, IPv6 URPF, IPv6 RA RIPng, OSPFv3, BGP4+ MLD Snooping, IPv6 Multicast VLAN MLDv1/v2, IPv6 Anyeast RP, IPv6 ACL, IPv6 QoS 8 Queues SWRR, SP, WRR, WDRR, SWDRR Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DICPy4/v6 Irraffic Monitor Fraffic Moni		GRE Tunnel		
IPv6 IPv6 VRRPv3, IPv6 URPF, IPv6 RA RIPng, OSPFv3, BGP4+ MLD Snooping, IPv6 Multicast VLAN MLDv1/v2, IPv6 Anyeast RP, IPv6 ACL, IPv6 QoS 8 Queues SWRR, SP, WRR, WDRR, SWDRR Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing		6to4 Tunnel, Configured Tunnel, ISATAP Tunnel, GRE Tunnel		
IPv6 IPv6 VRRPv3, IPv6 URPF, IPv6 RA RIPng, OSPFv3, BGP4+ MLD Snooping, IPv6 Multicast VLAN MLDV1/v2, IPv6 Anycast RP, IPv6 ACL, IPv6 QoS S Queues SWRR, SP, WRR, WDRR, SWDRR Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN S02.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 DHCP Server/Client for IPv4/IPv6 DHCP Server/Client for IPv4/IPv6 DHCP Server/Client Syslog and external Syslog Server HTTP SSL SMMP MIB, SMMP TRAP FTP/TETP SWMP MIB, SMMP TRAP FTP/TETP SMMP MIB, SMMP TRAP FTP/TETP RMM PM RMM SMMP TRAP SMMP MIB, SMMP MIB, SMMP TRAP SMMP MIB, SMMP TR				
RIPng, OSPFv3, BGP4+ MLD Snooping, IPv6 Multicast VLAN MLDv1/v2, IPv6 Anycast RP, IPv6 ACL, IPv6 QoS 8 Queues SWRR, SP, WRR, WDRR, SWDRR Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN of the Machine of the Machi				
MLD Snooping, IPv6 Multicast VLAN MLDV1/v2, IPv6 Anyeast RP, IPv6 ACL, IPv6 QoS 8 Queues SWRR, SP, WRR, WDRR, SWDRR Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN voluting interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DITCPv4/v6 Traffic Monitor Irraffic Monitor Irraffic Monitor Irraffic Monitor Security Security FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM VICTURED. VICTURE	IPv6	IPv6 VRRPv3, IPv6 URPF, IPv6 RA		
MLDv1/v2, IPv6 Anycast RP, IPv6 ACL, IPv6 QoS 8 Qucues SWRR, SP, WRR, WDRR, SWDRR Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN ACL rules can be configured to port, VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv8 DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 DHCP Snooping/Option 82 SPIOW Traffic Analysis CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP SNTP/NTP Network SNTP/NTP SNTP/NTP SMTP/NTP SMTP/NTP				
S Queues				
SWRR, SP, WRR, WDRR, SWDRR Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark PR ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCPv4/v6 Traffic Monitor PHOP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 SFlow Traffic Analysis CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network SNTP/NTP Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features VSF (Virtual Switch Framework)				
Traffic Classification Based on 802.1p COS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCPv4/v6 Traffic Monitor DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 Traffic Monitor Flow Traffic Analysis CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FP/TFTP Network SNTP/NTP Management Management Management Management PACL Structure VSF (Virtual Switch Framework) VSF (Virtual Switch Framework) VSF (Virtual Switch Framework)				
Traffic Policing PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCPv4/v6 Traffic Monitor PHCP Relay/Option 82 DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 SFlow Traffic Analysis CLI, WEB, Telnet, SNMPV1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFT Network SNTP/NTP Network SNTP/NTP Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center VSF (Virtual Switch Framework)	OoS			
PRI Mark/Remark IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802. Ix AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 Fraffic Monitor Fraffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Oata Center VSF (Virtual Switch Framework)	Qus			
IP ACL, MAC ACL, IP-MAC ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP V4/V6 Traffic Monitor Fraffic Monitor Fraffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management MMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center VSF (Virtual Switch Framework)				
Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP v4/v6 Traffic Monitor Traffic Monitor Traffic Analysis CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network SNTP/NTP Network Management MMAB Data Center Features Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port DSCP, ToS, IP Traffic Analysis Security FTP/TFTP Network Management VSF (Virtual Switch Framework)				
DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 Iraffic Monitor Flow Traffic Analysis CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFP Network SNTP/NTP Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features				
Redirect and statistics Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 Traffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network SNTP/NTP Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Other Standard Stan				
Rules can be configured to port, VLAN, VLAN routing interfaces Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 DHCP Snooping/Option 82 Fraffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFP Network SNTP/NTP Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features Readures				
Time Ranged ACL ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCPv4/v6 Iraffic Monitor Braffic Monitor Traffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features Teatures	ACL			
ACL rules can be configured to port, VLAN 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP V4/v6 ITAGIC Monitor Praffic Monitor Traffic Monitor Traffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features ROM 1,2 Switch Framework)				
Security 802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP V4/V6 ITAFfic Monitor DHCP Relay/Option 82 Praffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP Security FTP/TFTP Network SNTP/NTP Management MAMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features 802.3ah OAM, 802.1ag OAM VSF (Virtual Switch Framework)				
Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCP V4/v6 Traffic Monitor Traffic Monitor Traffic Monitor Traffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network SNTP/NTP RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features				
Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCPv4/v6 Traffic Monitor Traffic				
Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCPv4/v6 Traffic Monitor Braffic Monitor Traffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 DHCP Relay/Option 82 The Company of th				
RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB DHCPv4/v6 Traffic Monitor Braffic Monitor Traffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features RADIUS for IPv4 and IPv6 TACACS+ TAC				
TACACS+ for IPv4 and IPv6 MAB DHCPv4/v6 Traffic Monitor Traffic Monitor	Security			
MAB DHCPv4/v6 Iraffic Monitor DHCP Relay/Option 82 DHCP Snooping/Option 82 Braffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP SNetwork Management MAD MAB Data Center Data Center DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 DHCP Snooping/Option 82 CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP SNTP/NTP RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features VSF (Virtual Switch Framework)				
DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 Traffic Monitor CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82 CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP SNL SNMP MIB, SNMP TRAP STP/TFTP SNL SNMP MIB, SNMP TRAP SNTP/NTP Management WANGE OF THE STREET				
DHCP Relay/Option 82 DHCP Snooping/Option 82 DHCP Snooping/Option 82 SFlow Traffic Analysis CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management Management MoM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features DHCP Relay/Option 82 DHCP Snooping/Option 82 DHCP Snooping/Optio		MAB		
Traffic Monitor DHCP Relay/Option 82 DHCP Snooping/Option 82 SFlow Traffic Analysis CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features	DHCPv//v6			
Traffic Monitor Framework Management DHCP Snooping/Option 82 CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features				
CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network SNTP/NTP Management Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP Fall SNMP TRAP Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP Fall SNMP T				
Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FEEturity Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FEETURE SNMP MIB, SNMP	Traffic Monitor	sFlow Traffic Analysis		
HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP SNTP/NTP Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM VSF (Virtual Switch Framework)		CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6		
SNMP MIB, SNMP TRAP FTP/TFTP Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features SNMP MIB, SNMP TRAP FTP/TFTP Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM				
Security Network Network Management Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features VSF (Virtual Switch Framework)				
Network Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features VSF (Virtual Switch Framework)				
Management RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features VSF (Virtual Switch Framework)	Security			
Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center VSF (Virtual Switch Framework) Features	Network			
SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features VSF (Virtual Switch Framework)	Management			
Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM Data Center Features VSF (Virtual Switch Framework)				
802.3ah OAM, 802.1ag OAM Data Center VSF (Virtual Switch Framework) Features				
Data Center VSF (Virtual Switch Framework) Features				
Features				
		VSF (Virtual Switch Framework)		
	Features	J. J'41 (%)		

The contents marked with "*" need a future upgrade or are under development

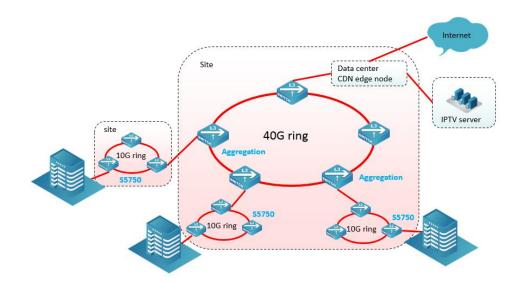
Tel: +86-10-82707033 Fax: +86-10-82705112

Email: dcnsales@digitalchina.com, sales@dcnglobal.com



Application

S5750E series fiber switches are deployed as Access switch with 10G uplink in FTTH network



Order Information

Product	Description	
S5750E-16F-SI-D	10G Ethernet Routing Switch, 8 x 100/1000Base-X (SFP) + 4 x GE Combo (RJ45/SFP)	
	+ 4 x 10GbE (SFP+), AC + 48VDC power supply	
S5750E-28F-SI-D	10G Ethernet Routing Switch, 16 x 100/1000Base-X (SFP) + 8 x GE Combo (RJ45/SFP)	
	+ 4 x 10GbE (SFP+), AC + 48V DC power supply	
S5750E-52F-SI-D	10G Ethernet Routing Switch, 48 x 100/1000Base-X (SFP) + 4 x 10GbE (SFP+), AC +	
	48VDC power supply	

Tel: +86-10-82707033 Fax: +86-10-82705112

Email: dcnsales@digitalchina.com, sales@dcnglobal.com

Website: www.dcnglobal.com