



OPTOSTAR Full-Gigabit Security Access Switch

OP-S6310 Series



Shenzhen Optostar Optoelectronics Co., Ltd

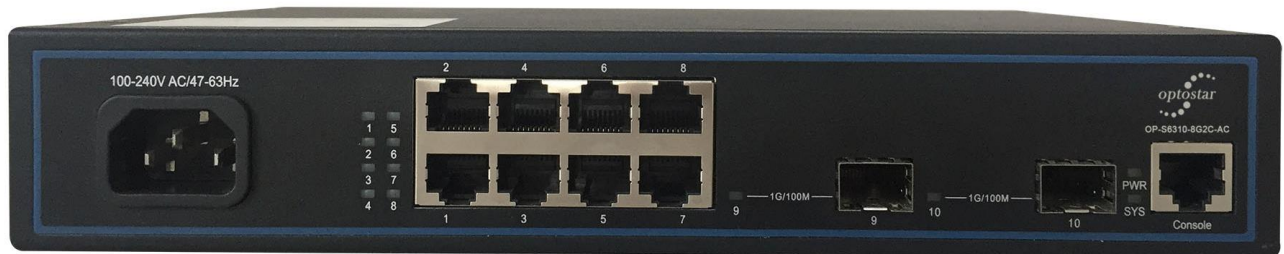
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Overview

OP-S6310 Series is L2 full-Gigabit switch, covering all kinds of enterprise customers. OP-S6310 provides 10/12/28*10/100/1000Base-T or 1000Base-X SFP for the demand of cost-effective Gigabit access / aggregation. It adopts high performance processor to provide full speed forwarding and line-dormant capacity to offer customs multitudinous service features. Moreover, OP-S6310 supports multiple configuration modes (such as SNMP, Telnet, Web, Console, etc) to make it easy for network management and maintenance. Last but not least, OP-S6310 offers the most flexible port combination form to facilitate user operations.

Product Parameter

OP-S6310-8G2C-AC



- 8 * 100/1000BaseT
- 2 * ComboGE
- 8K MAC address
- AC220
- 250mm*180mm*44mm

OP-S6310-8E2C



- 8 * 100/1000BaseT With POE
- 2 * ComboGE
- 8K MAC address
- AC220
- 250mm*180mm*44mm

OP-S6310-12G4C-Mini



- 8 * 10/100/1000Base-T
- 4* ComboGE
- 8K MAC address,
- full load < 22W
- AC: 110~240V, 47~67Hz
- 250mm*180mm*44mm

OP-S6310-12G4C



- 8 * 10/100/1000Base-T
- 4* ComboGE
- 8K MAC address,
- full load < 22W
- AC: 110~240V, 47~67Hz
- 330mm*230mm*44mm

OP-S6310-8E4C



- 8 * 10/100/1000Base-T With POE
- 4* ComboGE
- 8K MAC address,
- full load < 22W
- AC: 110~240V, 47~67Hz
- 330mm*230mm*44mm

OP-S6310-24E4C



- 24* 100/1000Base-T With POE
- 4* ComboGE
- 8K MAC address,
- full load < 22W
- AC: 110~240V, 47~67Hz
- 440mm*230mm*44mm

OP-S6310-28G4C



- 28* 100/1000Base-T
- 4* ComboGE
- 8K MAC address,
- full load < 22W
- AC: 110~240V, 47~67Hz
- 440mm*230mm*44mm

Technical Indexes

Item	OP-S6310-8G2C-AC	OP-S6310-8E2C	OP-S6310-12G4C-Mini	OP-S6310-12G4C	OP-S6310-8E4C	OP-S6310-24E4C	OP-S6310-28G4C
Switching Capacity	20Gbps	20Gbps	24Gbps	24Gbps	24Gbps	48Gbps	48Gbps
Forwarding Capacity	14.9Mpps	14.9Mpps	17.9Mpps	17.9Mpps	17.9Mpps	41.7Mpps	41.7Mpps
Ports	8*100/1000BaseT 2*ComboGE	8*100/1000BaseT With POE 2*ComboGE	8*10/100/1000BaseT 4*ComboGE	8*10/100/1000BaseT 4*ComboGE	8*10/100/1000BaseT With POE 4*ComboGE	24*100/1000BaseT With POE 4*ComboGE	28*100/1000BaseT 4*ComboGE
Memory and Storage	128M DDR and 16M FLASH						
Power Supply	AC: 90 ~ 260V, 50 ~ 60Hz ;						
Power Consumption	≤8W	≤8W	≤10W	≤10W	≤10W	≤22W	≤22W
Lightning Protection	Port lightning protection 4KV						
Dimensions (WxDxH)	250*180*44mm			330*230*44mm		440*230*44mm	
Weight (Full-Loaded)	≤1.5kg	≤1.5kg	≤2kg	≤2.2kg	≤2.5kg	≤2.8kg	≤3kg
Environmental Requirements	Working temperature: -10°C ~ 50°C Storage temperature: -40°C ~ 70°C Relative humidity: 10% ~ 90%, non-condensing						

Product Features

Item	OP-S6310 Series	
L2 Features	MAC	8K MAC MAC Black Hole Port MAC Limit
	VLAN	4K VLAN entries Port QinQ PVLAN to realize port isolation and saving public-vlan resources GVRP
	Spanning Tree	STP/RSTP/MSTP Remote loop detecting
	Port	Bi-directional bandwidth control Static link aggregation and LACP(Link Aggregation Control Protocol) Port mirroring

Security Feature	User's Security	<p>Anti-ARP-spoofing Anti-ARP-flooding IP Source Guard create IP+VLAN+MAC+Port binding Port Isolation MAC address binding to the port and MAC address filtering IEEE 802.1x and AAA/Radius authentication</p>
	Device Security	<p>Anti-DOS attack(such as ARP, Synflood, Smurf, ICMP attack), ARP detection, worm and Msblaster worm attack SSHv2 Secure Shell SNMP v3 encrypted management Security IP login through Telnet Hierarchical management and password protection of users</p>
	Network Maintenance	<p>Dynamic ARP table-based binding IP+VLAN+MAC+Port binding L2 to L7 ACL flow filtration mechanism on the 80 bytes of the head of user-defined packet Port-based broadcast/multicast suppression and auto-shutdown risk port DHCP Option82 and PPPoE+ upload user's physical location</p>
Service Features	ACL	<p>270 standard and extended ACLs Time Range ACL Flow classification and flow definition based on source/destination MAC address, VLAN, 802.1p, ToS, DiffServ, source/destination IP(IPv4/IPv6) address, TCP/UDP port number, protocol type, etc packet filtration of L2 ~ L7 deep to 80 bytes of IP packet head ACL flexible control in the phases of vlan-lookup, ingress, egress</p>
	QoS	<p>Rate-limit to packet sending/receiving speed of port or self-defined flow Packet mirror and redirection of interface and self-defined flow Priority remark to port or self-defined flow and provide 802.1P, DSCP priority and Remark Super queue scheduler based on port or self-defined flow. Each port flow supports 8 priority queues and scheduler of SP, WRR, SP+WRR, etc.</p>
	Multicast	<p>IGMPv1/v2/v3 Snooping IGMP Filter MVR and cross VLAN multicast copy IGMP Fast leave IGMP Proxy</p>
Reliability	Loop Protection	<p>EAPS\ERPS\PVST and GERP (recover-time <50ms) Loopback-detection</p>
	Link Protection	<p>FlexLink (recover-time <50ms) RSTP/MSTP (recover-time <1s) LACP (recover-time <10ms)</p>
	Device Protection	<p>Double fault-tolerant backup of host program and configuration files</p>

Maintenance	Network Maintenance	Port real-time, utilization and transmit/receive statistic based on Telnet LLDP 802.3ah Ethernet OAM RFC 3164 BSD syslog Protocol Ping and Traceroute
	Device Management	CLI, Console port, Telnet and WEB SNMPv1/v2/v3 RMON (Remote Monitoring)1,2,3,9 groups MIB NTP NGBNView

Order Information

Model	Description
OP-S6310-8G2C-AC	8*100/1000Base-T,2* ComboGE (100~240V)
OP-S6310-8E2C-AC	8*100/1000Base-T With POE,2* ComboGE (100~240V)
OP-S6310-12G4C-Mini	12*100/1000Base-T,4* ComboGE,Mini Shell (100~240V)
OP-S6310-12G4C	12*100/1000Base-T,4* ComboGE (100~240V)
OP-S6310-8E4C	8*100/1000Base-T With POE,4* ComboGE (100~240V)
OP-S6310-24E4C	24*100/1000Base-T With POE,4* ComboGE (100~240V)
OP-S6310-28G4C	28*100/1000Base-T,4* ComboGE (100~240V)

Part Relative SFP Module

Part No.	Package	Data Rate	Wavelength	Component	Output Power	Rec. Sens	Connector	Case Temp.	Reach	Multi-rate
OP-MCP4xxL1SD-40	CWDM SFP	Up to 1.25G	1270~1610nm	DFB/PIN	-5~0dBm	-25dBm	LC	C/I	40km	YES
OP-MCP4xxL1SD-80	CWDM SFP	Up to 1.25G	1270~1610nm	DFB/PIN	0~5dBm	-25dBm	LC	C/I	80km	YES
OP-MCP4xxL1SD-120	CWDM SFP	Up to 1.25G	1270~1610nm	DFB/APD	0~5dBm	-32dBm	LC	C/I	120km	YES
OP-MCP6xxL1SD-40	CWDM SFP	Up to 2.67G	1270~1610nm	DFB/PIN	0~5dBm	-18dBm	LC	C/I	40km	YES
OP-MCP6xxL1SD-80	CWDM SFP	Up to 2.67G	1270~1610nm	DFB/APD	0~5dBm	-28dBm	LC	C/I	80km	YES
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Important Notice

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