



OPTOSTAR 10/100M Security POE Access Switch

OP-S3810 Series



Shenzhen Optostar Optoelectronics Co., Ltd

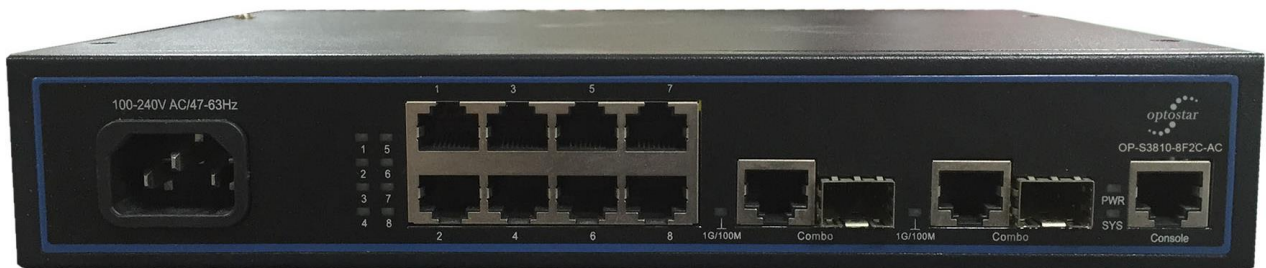
2012. 01 (Version 2)

Overview

OP-S3810 Series POE switch is developed by GCOM as a new generation carrier access Ethernet POE devices, helping enterprises to build superior IT network. OP-S3810 POE switch not only satisfies IEEE standard of 802.3af and 802.3at, but also be compatible with the powered devices which do not meet the IEEE standard of 802.3af and 802.3at. The maximum power consumption of each port is 30W and the whole power consumption reaches 400W.

Product Parameter

OP-S3810-8F2C-AC



- 8 * 10/100BaseT
- 2 * ComboGE
- 8K MAC address
- AC220
- 250mm*180mm*44mm

OP-S3810-8A2C2X



- 8 * 10/100Base-T, support POE
- 2 * Combo GE
- 2 * 100M/1000M SFP
- 8K MAC address
- 802.3af and 802.3at standard of POE, with 150W maximum power output
- Dual AC220V
- 330mm*230mm*44mm

OP-S3810-8F2C2X



- 8 * 10/100Base-T
- 2 * Combo GE
- 2 * 100M/1000M SFP
- 8K MAC address
- 802.3af and 802.3at standard of POE, with 150W maximum power output
- Dual AC220V
- 330mm*230mm*44mm

OP-S3810-16A2C



- 16 * 10/100Base-T, support POE
- 2 * ComboGE
- 16K MAC address
- AC220V and DC power
- 335mm*220mm*44mm

OP-S3810-16F2C



- 16 * 10/100Base-T
- 2 * ComboGE
- 16K MAC address

- AC220V and DC power
- 335mm*220mm*44mm

OP-S3810-24A2C



- 24 * 10/100Base-T, support POE
- 2 * ComboGE
- 16K MAC address
- 802.3af and 802.3at standard of POE, with 400W maximum power output
- AC220V
- 440mm*280mm*44mm

OP-S3810-24F2C



- 24 * 10/100Base-T
- 2 * ComboGE
- 16K MAC address
- 802.3af and 802.3at standard of POE, with 400W maximum power output
- AC220V
- 440mm*280mm*44mm

OP-S3810-24F4C



- 24 * 10/100Base-T
- 4* ComboGE
- 16K MAC address
- 802.3af and 802.3at standard of POE, with 400W maximum power output
- AC220V
- 440mm*280mm*44mm

Technical Indexes

Item	OP-S3810 -8F2C-AC	OP-S3810 -8A2C2X	OP-S3810 -8F2C2X	OP-S3810 -16A2C	OP-S3810 -16F2C	OP-S3810 -24A2C	OP-S3810 -24F2C	OP-S3810 -24F4C
Switching Capacity	5.6Gbps	9.6Gbps	9.6Gbps	7.2Gbps	7.2Gbps	8.8Gbps	8.8Gbps	12.8Gbps
Forwarding Capacity	4.17Mpps	7.14Mpps	7.14Mpps	5.36Mpps	5.36Mpps	6.55Mpps	6.55Mpps	9.52Mpps
Ports	8*10/100BaseT 2*ComboGE	8*10/100BaseT With POE 2*ComboGE 2*10/100M SFP	8*10/100BaseT 2*ComboGE	16*10/100Base-T With POE 2*ComboGE	16*10/100Base-T With POE 2*ComboGE	24*10/100Base-T With POE 2*ComboGE	24*10/100Base-T 2*ComboGE	24*10/100Base-T 4*ComboGE
POE Power	--	150W	--	260W	--	400W	--	--
	Single port 30W for the maximum							
Memory and Storage	128M DDR and 16M FLASH			64M DDR and 8M FLASH				128M DDR and 16M FLASH
Power Supply	AC: 100 ~ 260V, 47 ~ 63Hz ; DC input:-36V ~ 72V							
Power Consumption	≤8W	≤8W	≤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-S3810 Series
MAC	OP-S3810-8F2C-AC/OP-S3810-8A2C2X/OP-S3810-24F4C supports 8K MAC OP-S3810-16A2C/OP-S3810-16F2C/OP-S3810-24A2C/OP-S3810-24F2C supports 16K MAC MAC Black Hole Port MAC Limit
L2 features	IGMP Snooping STP/RSTP/MSTP Remote-loop-detect 802.3ad linkage convergence Port mirroring Vast frame
VLAN	4K VLAN entries Selective QinQ port-based VLAN port and protocol-based VLAN ACL-based VLAN
Multicast	512 L2 multicast groups IGMPv1/v2/v3 Snooping IGMP Filter IGMP Fast leave
QoS	Packet limit speed rate of port or self-defined flow receiving and sending Packet mirroring and packet re-direction of port or self-defined flow Priority remark of port or self-defined flow, provide 802.1P, Remark of DSCP priority Advanced queue scheduling of port or self-defined flow, each port/flow supports 8 priority queues, provide the algorithms of SP, WRR, and SP+WRR OP-S3810-12PC supports 270 ACLs, OP-S3810-26PC supports 500 ACLs
Security	Radius authentication SSHv2 Secure Shell Access control based on port and MAC Suppression on broadcast storm
Management	CLI, Console port, Telnet and WEB management SNMPv1/v2/v3



	RMON (Remote Monitoring)1,2,3,9 MIB GN.LinkII Server NGBNView network management
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Order Information

Model	Description
OP-S3810-8F2C-AC	8*10/100Base-T,2* ComboGE(100/1000BaseX SFP or 10/100/1000BaseT),AC 100~240V
OP-S3810-8A2C2X	8*10/100Base-T With POE,2* ComboGE(100/1000BaseX SFP or 10/100/1000BaseT),2*10/100M SFP,AC 100~240V
OP-S3810-16A2C	16*10/100Base-T With POE,2* ComboGE(100/1000BaseX SFP or 10/100/1000BaseT)AC 100~240V
OP-S3810-16F2C	16*10/100Base-T,2* ComboGE(100/1000BaseX SFP or 10/100/1000BaseT),AC 100~240V
OP-S3810-24A2C	24*10/100Base-T With POE,2* ComboGE(100/1000BaseX SFP or 10/100/1000BaseT),AC 100~240V
OP-S3810-24F2C	24*10/100Base-T,2* ComboGE(100/1000BaseX SFP or 10/100/1000BaseT),AC 100~240V
OP-S3810-24F4C	24*10/100Base-T,4* ComboGE(100/1000BaseX SFP or 10/100/1000BaseT),AC 100~240V

Part Relative SFP Module

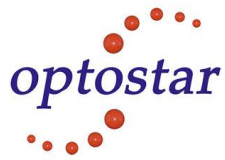
Part No.	Package	Data Rate	Wavelength	Component	Output Power	Rec. Sens	Connector	Case Temp.	Reach	Multirate
OP-MCP4xxL1SD-40	CWDM SFP	Up to 1.25G	1270~1610nm	DFB/PIN	-5~0dBm	-25dBm	LC	C/I	40km	YES
OP-MCP4xxL1SD-80	CWDM SFP	Up to 1.25G	1270~1610nm	DFB/PIN	0~5dBm	-25dBm	LC	C/I	80km	YES
OP-MCP4xxL1SD-120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

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

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