

S2000B Series L2 Web Management Switch

S2000B series switches are the new generation Web L2 accessing switches for carrier-class and enterprise network. It has full wire-speed switching capacity compatible with NGBN unified software operation system to provide rich features by web management. It supports 802.1Q VLAN and port based VLAN, port bi-directional bandwidth limiting and port mirroring, IGMP Snooping v1/v2 multicast and port based/802.1p/ToS queue scheduling, loop detection and TCP / UDP packet filtering. All ports has the protection of over 4KV lightning, the power supports over 2KV surge protection to satisfy the class-carrier network security accessing requirements.

S2008B+



- 8*10/100BaseT
- 4K MAC, 16*802.1Q VLAN
- Remote WEB control
- Modify device configuration by NMS to upgrade by batch
- IGMP Snooping
- Full-loaded power-consumption< 7W
- Support AC220 or AC60V
- 220mm(W)*160mm(D)*44mm(H)

S2008BF



- 8*10/100BaseT
- 1*100BaseX SFP
- 4K MAC, 16*802.1Q VLAN
- Remote WEB control
- Modify device configuration by NMS to upgrade by batch
- IGMP Snooping
- Full-loaded power-consumption< 8W
- Support AC220 or AC60V
- 220mm(W)*160mm(D)*44mm(H)

S2016B



- 16*10/100BaseT
- 4K MAC, 16*802.1Q VLAN
- Remote WEB control
- Modify device configuration by NMS to upgrade by batch
- IGMP Snooping
- Full-loaded power-consumption< 10W
- Support AC220 or AC60V
- 220mm(W)*160mm(D)*44mm(H)

S2016BF



- 15*10/100BaseT
- 1*100BaseX SFP
- 4K MAC, 16*802.1Q VLAN
- Remote WEB control
- Modify device configuration by NMS to upgrade by batch
- IGMP Snooping
- Full-loaded power-consumption< 11W
- Support AC220 or AC60V
- 220mm(W)*160mm(D)*44mm(H)

S2024B



S2024BF



S2024BG



- 24*10/100BaseT
- 4K MAC , 26*802.1Q VLAN
- Remote WEB control
- IGMP Snooping
- Full-loaded power-consumption<12W
- Support AC220 or AC60V
- 440mm(W)*160mm(D)*44mm(H)

- 23*10/100BaseT
- 1*100BaseX SFP
- 4K MAC , 26*802.1QVLAN
- Remote WEB control
- IGMP Snooping
- Full-loaded power-consumption<13W
- Support AC220 or AC60V
- 440mm(W)*160mm(D)*44mm(H)

- 24*10/100BaseT
- 2*ComboGE (100/1000BaseX SFP or 100/1000Base T)
- 4K MAC , 26* 802.1Q VLAN
- Remote WEB control
- IGMP Snooping
- Full-loaded power-consumption<16W
- Support AC220 or AC60V
- 440mm(W)*160mm(D)*44mm(H)

Product Specification:

Item	S2008B+	S2008BF	S2016B	S2016BF	S2024B	S2024BF	S2024BG
Backplane capacity	8.8Gbps	8.8Gbps	8.8Gbps	8.8Gbps	19.2Gbps	19.2Gbps	19.2Gbps
Switching capacity	3.2Gbps	3.2Gbps	3.2Gbps	3.2Gbps	9.6Gbps	9.6Gbps	9.6Gbps
Packet forwarding speed	1.19Mpps	2.38Mpps	2.38Mpps	2.38Mpps	6.55Mpps	6.55Mpps	6.55Mpps
Memory and flash	32K SDRAM memory and 512K flash				32K SDRAM memory and 512K flash		
Voltage	AC: Input 176~265V, 50~60Hz				AC: Input 176~265V, 50~60Hz; DC: Input-36V~-72V;		
Max power dissipation	Full-loaded ≤7W Idle≤5W	Full-loaded≤8W Idle≤5W	Full-loaded ≤10W Idle≤5W	Full-loaded≤11W Idle≤5W	Full-loaded≤12W Idle≤6W	Full-loaded≤13W Idle≤6W	Full-loaded≤16W Idle≤6W
Outline dimensions(mm) (WxDxH)	220mmx44mmx160mm	220mmx44mmx160mm	220mmx44mmx160mm	220mmx44mmx160mm	440mmx44mmx160mm	440mmx44mmx160mm	440mmx44mmx160mm
Weight (in maximum configuration)	≤2kg	≤2kg	≤2kg	≤2kg	≤3kg	≤3kg	≤3kg
Environmental requirements	Working temperature: -15C~55C: 0°C~40°C Storage temperature: -40°C~70°C				Working temperature: -15°C~55°C Storage temperature: -40°C~70°C		

Relative humidity: 10%~90%, no condensing	Relative humidity: 10%~90%, no condensing
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Business Features:

Item		S2008B/BF/S2016B/BF	S2024B/BF/BG
L2 feature	MAC	4K MAC address	
	VLAN	16 VLAN entry 802.1Q VLAN based on port Port isolation in VLAN	26 VLAN entry 802.1Q VLAN based on port Port isolation in VLAN
	Spanning tree protocol	Loop detection	
	Port	Bidirectional bandwidth control Port mirror	
Security	User's security	MAC address binds to port and port MAC address filtration	
	Device security	Anti-DOS attack(such as ARP, Synflood, Smurf, ICMP attack), ARP detection, worm and Msblaster worm attack	
	Network security	Port broadcast/multicast suppression Self-defined packet filtration based on TCP/UDP port	
Security features	QoS	Port-based super queue scheduler and self-defined flow. Each port/ flow supports 4 priority queues and scheduler of FIFS (First In First Serve), SP (Strict Priority) and WRR (Weighted Round Robin)	
	Multicast	IGMPv1/v2 Snooping	
Reliability	Link protection	Static link aggregation	
	Device protection	4Kv+ lightning protection for port 2Kv+surge protection for power	
Maintenance	Network maintenance	WEB-based transmit/receiving statistics for port	
	Device management	WEB management Input/output configuration files Hardware Load Default button to revert the default value	
		Modify device configuration by NMS to upgrade by batch	Not support

Purchase Information:

Product name	Product description
S2008B+	SI,8*10/100BaseT,AC 220V or AC 60V
S2008BF	SI,8*10/100BaseT,1*100BaseX SFP,AC 220V or AC 60V
S2016B	SI,16*10/100BaseT,AC 220V or AC 60V

S2016BF	SI,15*10/100BaseT,1*100BaseX SFP,AC 220V or AC 60V
S2024B	SI,24*10/100BaseT,AC 220V or AC 60V
S2024BF	SI,23*10/100BaseT,1*100BaseX SFP,AC 220V or AC 60V
S2024BG	SI,24*10/100BaseT, 2*ComboGE(1000BaseX SFP or 10/100/1000BaseT),AC 220V or AC 60V