



Model	SP3006F	SP3010F	SP3018F
Hardware Features			
Interfaces			
Downlink Ports	4 x 100/1000Mbps RJ45 ports	8 x 100/1000Mbps RJ45 ports	16 x 100/1000Mbps RJ45 ports
Uplink Ports	2 x 1000Mbps SFP ports	2 x 1000Mbps SFP ports	2 x 1000Mbps SFP ports
PoE			
PoE Port	Port 1-4	Port 1-8	Port 1-16
PoE Standard	802.3af/at		
PoE Power Supply Type	End-span		
PoE Pin Assignment	1/2(+), 3/6(-)		
PoE Power	30 W max for each port, 120 W Max. (PoE power budget)	30 W max for each port, 240 W Max. (PoE power budget)	30 W max for each port, 240 W Max. (PoE power budget)
Switch Property			
Standards and Protocols	IEEE 802.3 10Base-T Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy Efficient Ethernet IEEE 802.3af Power-Over-Ethernet IEEE 802.3at Power Over Ethernet Plus PSE		
Forwarding Mode	Store and Forward		
Switching Capacity	12 Gbps	20 Gbps	36 Gbps
Packet Forwarding Rate	8.9 Mpps	14.9 Mpps	26.8 Mpps
MAC Address Table	16 k		
Packet BufferMemory	2 Mbit		
Jumbo Frame	10 kB		
Power Supply			
Input Power	Power 1 (Main): 44-57V DC, Power 2 (Backup): 44-57V DC		
Power Consumption	Idle: 6 W	Idle: 10 W	Idle:10 W
Physical Characteristics			
LED Indicators	P Off: the device is power off or failed Green On: the device power on is normal S Off: total PoE usage < 50% Red blinking: 50% < total PoE usage < 90% Red on: total PoE usage ≥ 90%	P Off: the device is power off or failed Green On: the device power on is normal S Off: total PoE usage < 50% Red blinking: 50% < total PoE usage < 90% Red on: total PoE usage ≥ 90%	P Off: the device is power off or failed Green On: the device power on is normal S Off: total PoE usage < 50% Red blinking: 50% < total PoE usage < 90% Red on: total PoE usage ≥ 90%
LED Indicators	Link Off: ports link down On: ports link up Blinking: data on TX/RX PoE Off: PoE not working On: PoE working 5, 6(Fiber ports indicators) Off: ports link down Green On: ports link up Green Blinking: data on TX/RX	Link Off: ports link down On: ports link up Blinking: data on TX/RX PoE Off: PoE not working On: PoE working 9, 10(Fiber ports indicators) Off: ports link down Green On: ports link up Green Blinking: data on TX/RX	Link Off: ports link down On: ports link up Blinking: data on TX/RX PoE Off: PoE not working On: PoE working 17, 18(Fiber ports indicators) Off: ports link down Green On: ports link up Green Blinking: data on TX/RX
Fan Quantity	Fanless		
Switch Dimensions	145*105*57mm		176*123*57mm
Package Dimensions	187*151*72 mm		238*185*72 mm
Weight	Net Weight: 0.88 kg	Net Weight: 0.90 kg	Net Weight: 1.28 kg
	Package Weight: 1.00 kg	Package Weight: 1.01 kg	Package Weight: 1.44 kg
Installation	Desktop, DIN-rail		
Environmental			
Surge Immunity of Ethernet ports	IEC 61000-4-5 Common mode 6kV Differentialmode 2kV		
Surge Immunity of power	IEC 61000-4-5 Common mode 6kV Differentialmode 4kV		
ESD Protection	IEC 61000-4-2 Contact discharge 8kV Air discharge 15kV		
Operating Temperature	-40°C ~ 75°C(-40°F to 167°F)		
Storage Temperature	-40°C ~ 85°C(-40°F to 185°F)		
Operating Humidity	5% ~ 95%(Non-condensation)		
Certi cation			
Certi cation	CE, FCC, RoHS, UKCA, RCM		