ST5220-16PGE2GC-P

16-Port 10/100/1000Mbps PoE
Switch with 2*1000M Combo Uplink

802.3at
PoE+
802.3af

PoE
WatchDog

UTP Extend
—250m—

RAIJIN

EXCLUSIVE 2 YEAR WARRANTY
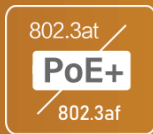
Key Features

Ports: Provide 16*10/100/1000Mbps PoE ports and 2 *1000Mbps Combo Uplink
PoE Standard: IEEE802.3af/at Power over Ethernet (PoE) Compliant
Total Power: Total power budget of 150W and 30W for all singe PoE ports
Self-adaption: RJ45 port supports 10/100/1000Mbps Auto MDI/MDIX
Extend Mode: Extend PoE up to 250m on one single cable
Wide Application: Designed for Wifi AP and IP Security camera.VoIP etc
Surge protection: Protect the device from lighting surges and others electrical hazards
Considerate Design: Rack mount installation with fanless design
Easy to use: Plug and play, No configuration required

802.3at
30W

802.3af
15.4W

Door Phone | PTZ Camera | 11.ac WiFi-AP | IP Speaker

IP Phone | IP Camera | SOHO WiFi-AP

Versatile PoE Port

Featuring 16* 10/100/1000Mbps PoE ports which support
IEEE802.3af/at standard and 2 * 1000Mbps Uplink and 2 Gigabit
SFP ports. the PoE switch provides Maximun power budget of 150W
and 30W for single PoE ports sepectively ,allowing users to have
several different Networking products configured

250m

100m

Default   Extender

Flexible Extend Mode

With the extend mode, the PoE Switch Series is able to offer
more flexible choices for long range transmission, extending the
distance up to 250m, which is greatly helpful to bring better user
experience.

Surge Protection Design

Reaching 6KV surge protection, the PoE ports owns the capacity
to keep the PoE Switch from lightning strikes and other electrical
surges, offering reliable performance even in some harsh
environments.

SECURITY

2Gigabit SFP Uplink Port

With 2 SFP module slot available, the SFP uplink port is ideal for
connecting the switch to the network's backbone, providing
more than enough bandwidth and stability for ultra high speed
data transferring, Beside the SFP can transmitte the date with
Max 100Km distance with more economic solution

Technical Datasheet

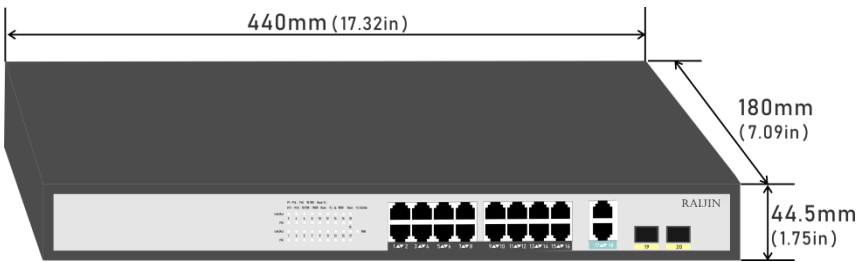| Model	ST5220-16PGE2GC-P	
Hardware Specifications		
Connector	16 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 2 1000 Base-X SFP Slots	
PoE Port	16 10/100/1000Mbps POE PSE port	
SFP	Singe fiber/Dual fiber supported. Distance vary the module	
Thermal Fan	Fanless Design	
LED indicators	Power Indicator: PWR(green). Network Indicator: Link(yellow) PoE Working Indicator: PoE(green)	
Switch Architecture	Store and Forward	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	64Gbps
	Packet forwarding rate	35.71Mpps
	MAC address	16k
Power requirement	AC100-240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension(W×D×H)	440mm x 180mm x 44.5mm(17.32in x 7.09in x 1.75in)	
Weight	2.5kg	
Power over Ethernet (PoE) Specifications		
Network standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3x Flow Control IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet IEEE802.3az EEE	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	150W	
Environment		
Safety	FCC Part15 Class A,CE.RoHs	
Environment specification	Operating temperature: -20℃~55℃，operating humidity: 5％~95％ Storage temperature: -20℃~75℃，storage humidity: 5％~95％	

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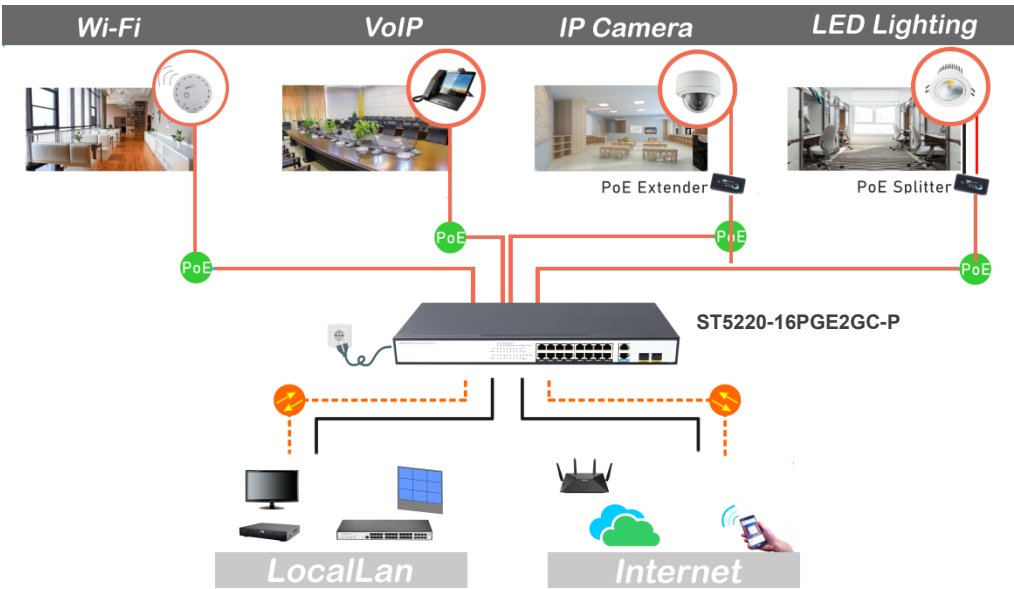16-Port 10/100/1000Mbps PoE Switch with 2 Gigabit Combo Uplink

Interfaces

10/100/1000M PoE Ports   Gigabit Uplink Port   Gigabit SFP

PoE Working，Link/ACT Indicator   Power Indicator

Structure Diagrams

440mm（17.32in）

180mm（7.09in）

44.5mm（1.75in）

Applications

Wi-Fi   VoIP   IP Camera   LED Lighting

PoE Extender   PoE Splitter

ST5220-16PGE2GC-P

LocalLan   Internet
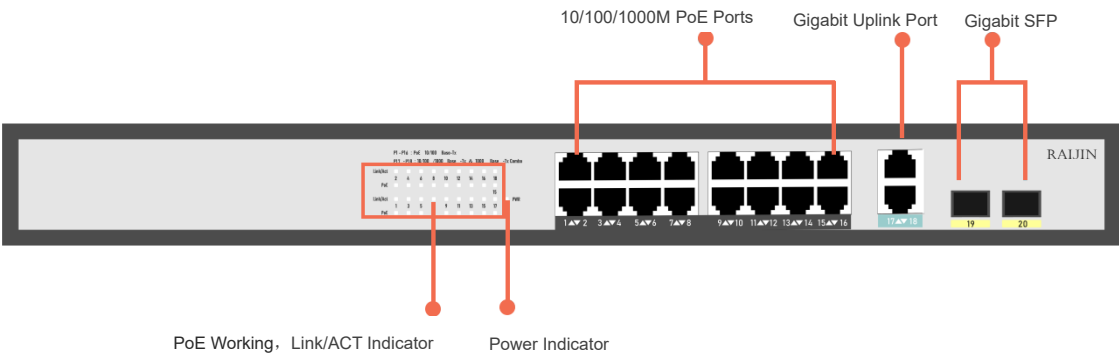
Ordering Information	
ST5220-16PGE2GC-P	16 Ports 10/100/1000Mbps PoE switch with 2 Gigabit Combo Uplink,6KV surge protection,IEEE802.3af/at