POE-SWC1601G
Platinum 16-Port Cloud Managed Gigabit POE Switch

Smart managed switches feature easy management and maintenance. Users can easily deploy, monitor and expand a surveillance system anytime and anywhere with our software platforms. Users can also view the network topology, monitor the health of the network, and receive device alarms in real time, which greatly reduces the cost of network operation and maintenance.

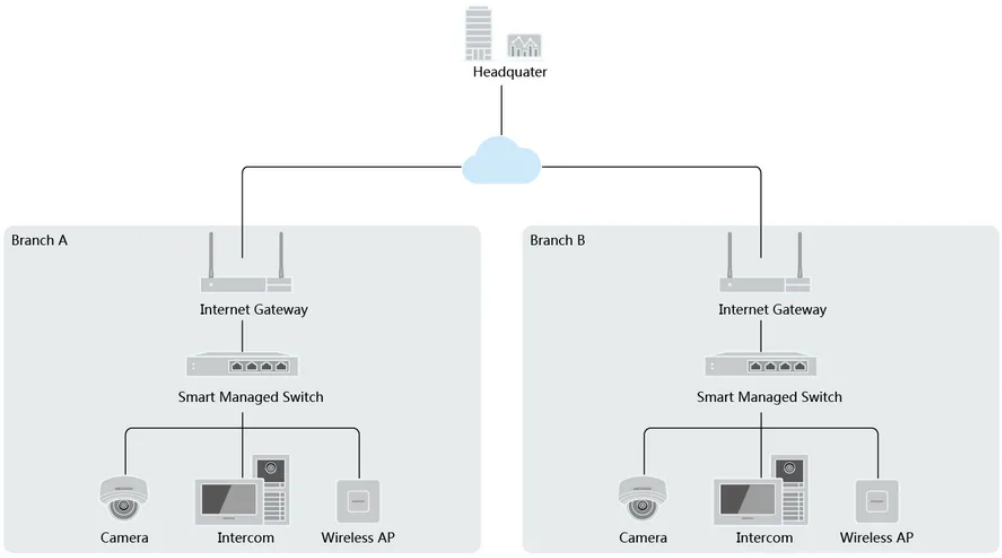
- 16 x Gigabit PoE RJ45 ports, 1 × Gigabit RJ45 port, 1 x Gigabit fiber optic port
- Total PoE power budget 230 W
- Unified cloud management for security systems
- Network topology at your fingertips
- Remote troubleshooting
- Visualized topology management
- Up to 985 ft (300 m) long-range PoE transmission
- 6 kV surge protection

Specifications

General	
Shell Material	Metal
Net Weight	6.28 lb (2.85 kg)
Gross Weight	6.72 lb (3.05 kg)
Dimensions (W × H × D)	17.32 × 8.69 × 1.73'' (440.0 × 220.8 × 44.0 mm)
Operating Temperature	32° to 113° F (0° to 45° C)
Storage Temperature	-40° to 185° F (-40° to 85° C)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100 ~ 240 V AC, 50/60 Hz, Max. 4 A
Installation Mode	Rack (equipped with mounting ears)
Max. Power Consumption	250 W
Power Consumption in Idle	20 W
Surge Protection	6 kV
Network Parameters	
Ports	16 × Gigabit PoE port, 1 × Gigabit RJ45 port, 1 × Gigabit fiber optic port
MAC Address Table	8 K
Switching Capacity	56 Gbps
Packet Forwarding Rate	41.66 Mpps
Internal Cache	4.1 Mbits
PoE Power Supply	
PoE Standard	IEEE 802.3af, IEEE 802.3at
PoE Power Pin	8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE Port	PoE: Ports 1 to 16
Max. Port Power	30 W
PoE Power Budget	230 W
Software Functions	
Long Range	Ports 1 to 16: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 16: port isolation mode to improve network security. Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
PoE Watchdog	Ports 1 to 16: auto detect and restart the cameras that do not respond.
Link Aggregation	Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection. Supports static link aggregation. Supports 8 aggregation groups.
Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Supports 802.1D STP. Supports 802.1w RSTP.

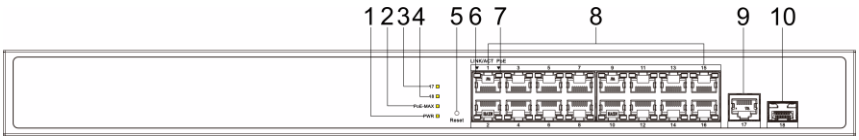
VLAN	VLAN is used for network scale planning and network health improvement. Supports 802.1Q. Configurable VLAN ID from 1-4094. Supports Trunk, Access port mode. Supports Max. 32 VLAN.
Guarding Master	Supports one-click activation and remote management via Guarding Master. Functions supported: 1. Display of port rate. 2. Display of port bandwidth utilization rate. 3. Display of PoE power usage. 4. Display of topology information. 5. Display of the alarm status. 6. Restart ports and devices. 7. Enable port long-rage mode. 8. Remotely upgrade the device.
System Maintenance	Supports device management via web. Supports DHCP Client. Enabled by default for dynamic assignment of management IP addresses. Supports Super IP, which is a fixed IP address (10.180.190.200) for direct access. Supports remote management via Guarding master. Supports cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected. Supports 802.1ab LLDP for peer device discovery. Supports port mirroring for fault locating.

Typical Application



Physical Interface

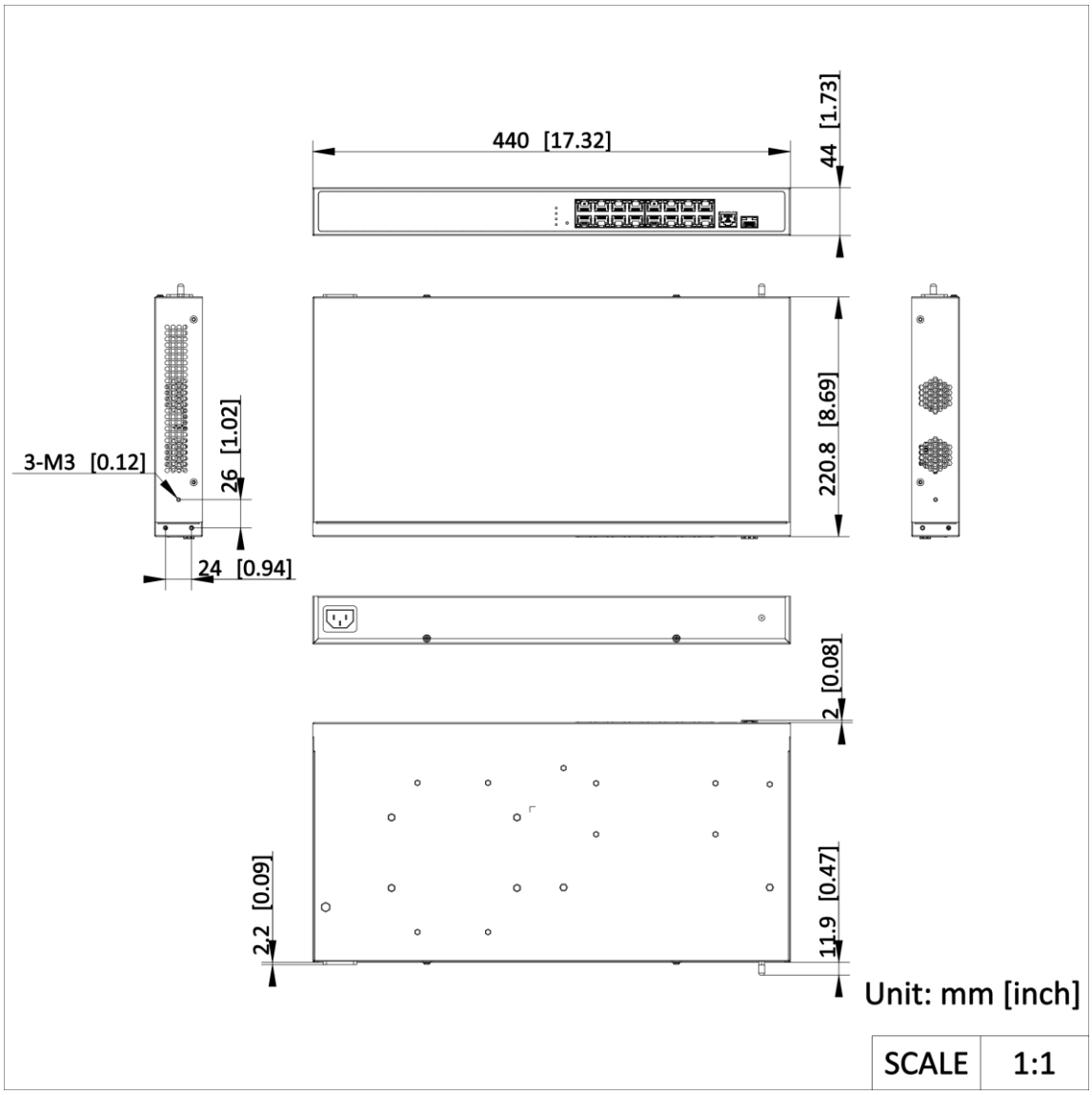
Front Panel



Rear Panel

No.	Indicator/Port	Description
1	POWER Indicator	● Solid on: The switch is powered on normally. ● Unlit: No power supply is connected or power supply is abnormal.
2	PoE-MAX Indicator	● Solid on/Flashing: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. ● Unlit: The switch does not supply power to a powered device (PD), or supplies power to a PD normally and its output power does not reach the upper limit. (About 5 seconds after the output power of the switch returns to normal, the PoE-MAX indicator will be unlit.)
3	Gigabit RJ45 Port Indicator (Port 17)	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
4	Gigabit SFP Fiber Optical Port Indicator (Port 18)	● Solid on: The gigabit SFP fiber optical port is connected. ● Flashing: The gigabit SFP fiber optical port is transmitting data. ● Unlit: The gigabit SFP fiber optical port is disconnected or connection is abnormal.
5	Reset Button	Used for restoring all the configurations of the switch to the default settings.
6	LINK/ACT Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
7	PoE Indicator	● Solid on: The switch supplies power to a PD normally. ● Unlit: The switch is disconnected from a PD or power supply is abnormal.
8	Gigabit PoE RJ45 Port	Use for connection to a PD via a network cable.
9	Gigabit RJ45 Port (Port 17)	Use for connection to another device via a network cable.
10	Gigabit SFP Fiber Optical Port (Port 18)	Use for connection to another device via an optical fiber when plugged into with an optical module.
11	Grounding Terminal	Use for connecting to the grounding cable to protect the switch from lightning.
12	Power Supply	Use the attached power cord to connect the switch to a socket.

Dimensions


440 [17.32]
44 [1.73]
220.8 [8.69]
3-M3 [0.12]
26 [1.02]
24 [0.94]
2 [0.08]
2.2 [0.09]
11.9 [0.47]
Unit: mm [inch]
SCALE 1:1