

## Switch-S24GPWR (PN25249)

**Port side**  
Lightning Surge **10kV**  
Tolerance

**45°C Capable**

Suitable for IP Phone  
and Network Camera!

- IEEE802.3af (15.4W/Port)
- All Giga



Max.  
Power Supply  
**124w**

### Robust Lightning Surge Tolerance

**10kV**

Tolerance of each port is 10kV.

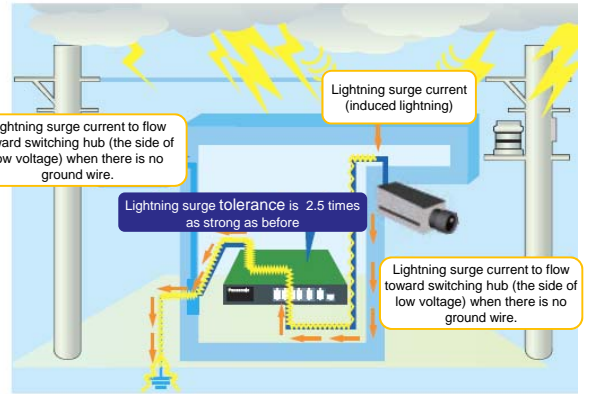
① AC line  
**Level X**  
**8kV**

② Each port  
**Special**  
Each port  
**10kV**  
Port side

試験レベル	水準値
Level 4	4kV
Level 3	2kV
Level 2	1kV
Level 1	0.5kV

IEC61000-4-5

SPD (Surge Protector Device) equipped in all port.  
Bypass the Induced lightning surge through twist-paired cable to the ground  
Because of this technology, lightning surge tolerance has been strengthened by 250% to 10kV.

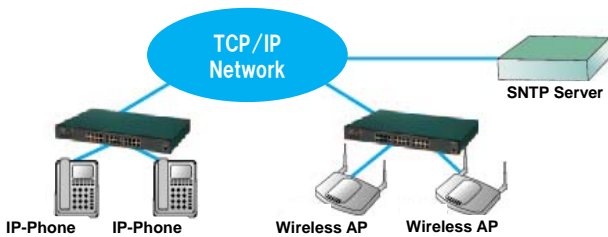


**Notice:**

- It does not mean that we guarantee the product is immune to malfunction.
- Strongly recommend that lightning arresters is always installed in both power unit' and port's side of switching hub and port' side of power receiving unit while strengthening surge tolerance.
- Repair fee due to lightning strike will be charged even though the products is under warranty period.

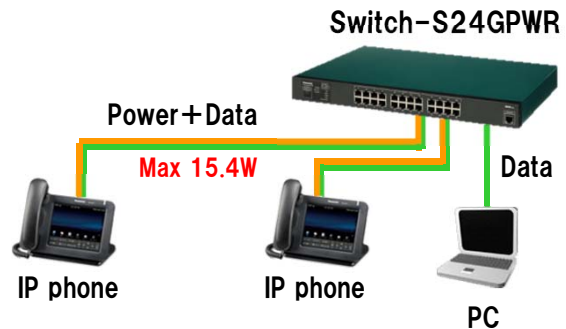
### PoE Scheduler Function

PoE scheduler function allows user to set the timer to supply power to receiving device.  
It also allows user to protect receiving devices for instance IP-Phone and wireless AP against fraud use and reduce the power consumption during the time they are not in use by limiting the time of use.  
User can set the timer (month, week, day, specified day) to automatically turn off and on the power.



### Usage Example

It is suitable for the network IP phones and PCs are mixed.



#### 1. All port Gigabit Ethernet Capable

- All ports provides Gigabit Ethernet connectivity.

#### 2. 802.3af Power over Ethernet (PoE)

- PoE support for up to 15.4W per port. Total power budget is 124W and it is suitable for IP phone.

#### 3. Loop Detect/Shutdown & Loop History Function (simple ver.)

- Capable of detecting loop failure even when bridged in multiple switches. Automatically shutdown and notice a status with LED.
- Loop History Function (simple ver.) It provides information with Loop History LED which shows whether loop failure happened in the last three days.

#### 4. Ping support

#### 5. Up to 45°C Operating Temperature

- Supports 45 degree Celsius operating temperature

#### 6. Pursue Lower Energy-Consumption

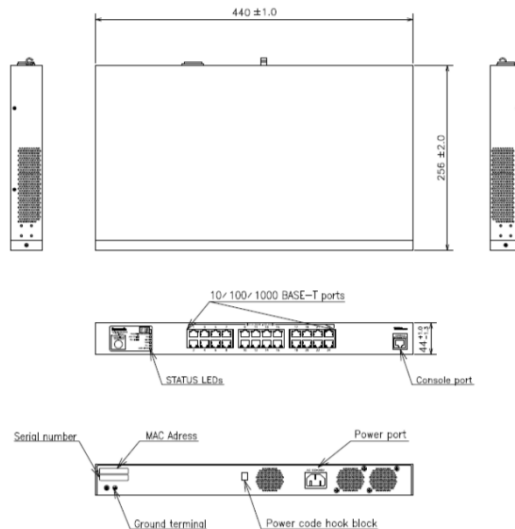
- Automatically control energy consumption by stop providing electricity to unplugged port.
- It also supports 802.3az(LPI) that allow for less power consumption during the periods of low data activity.
- PoE Schedule Function Capable of scheduling power supply to end devices. Automatically turn off power supply during the period of no date activity.

#### 7. Others

VLAN/ QoS/ Mirroring/ Link Aggregation/ Telnet/ Easy IP setup function

# Specification

Product Name	Switch-S24GPWR	
Product Number	PN25249	
Port/Expansion Module Slot	10/100/1000BASE-T * 24 ports	
PoE Port	24 ports (IEEE802.3af)	
Cascade Connection	All UTP ports are MDI/MDI-X	
Switching Method	Store and Forward	
Switching Capacity	48.0Gbps	
Forwarding Rate	1,488,000pps/port (1000Mbps) 148,800pps/port (100Mbps) 14,880pps/ port (10Mbps)	
Auto Negotiation	○ (It is possible to set transmission mode)	
Mac Address Table	8K/Unit	
Paclet Buffer	512KB/Unit	
Loop Prevention	Loop prevention, Loop Detection/Shutdown/History	
Link Aggregation	○	
QoS	IEEE802.1p, Scheduling : PQ/WRR	
VLAN	IEEE802.1Q TagVLAN(256 Groups), Port Security Group Setting Function	
PoE Schedule	○	
Management	Telnet Server, Web Server	
Power Unit	AC100-240V 50/60Hz	
Power Consumption	Max	172W
	Min	18.5W
Max Power Supplying Ability	Per Port	15.4W
	Whole Device	124W
Operating Environment	Temperature : 0°C~45°C, Humidity : 20~80%	
Storage Environment	Temperature : -20°C~70°C, Humidity : 10~90%	
Size (mm)	H44 × W440 × D256	
Accessories	Manual, CD-ROM, Power Code, Rubber Foot, Rack Mount Kit	



Website <http://panasonic.co.jp/es/pesnw/english/index.html>

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