Panasonic

Switch-M5eGLPWR+
（PN28058）

Port side Lightning Surge **7kV** Tolerance

50℃ Capable

Suitable with Network Camera and Wireless AP!

- **IEEE802.3at** (30W/Port)
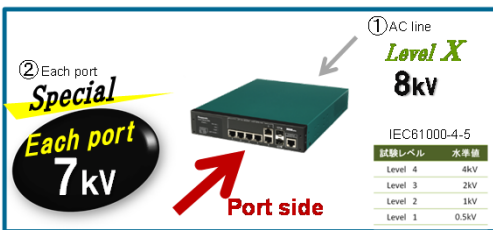- **All Giga + 2 SFP Slot**

SFP

Max. Power Supply **62w**

Robust Lightning Surge Tolerance **7kV**

① AC line
Level X
8kV

② Each port
Special
Each port 7kV

IEC61000-4-5

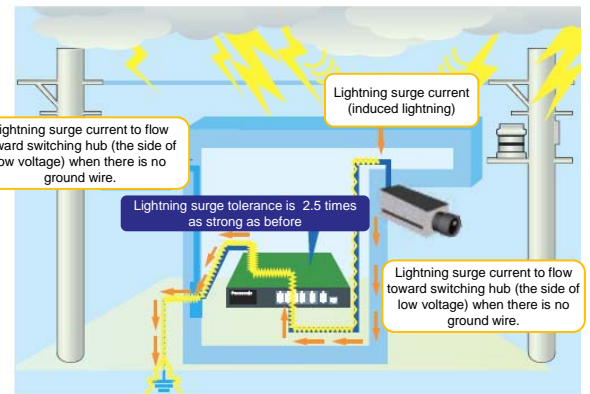| 試験レベル	水準値
Level 4	4kV
Level 3	2kV
Level 2	1kV
Level 1	0.5kV

Port side

SPD (Surge Protector Device) equipped in all port.
Bypass the Induced lightning surge through twisted-pair cable to the ground
Because of this technology, lightning surge tolerance has been strengthened by 175% from conventional 4kv to 7kv.
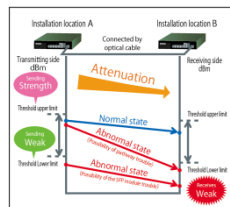
Notice:
・It does not mean that we guarantee the product is immune to malfunction.
・Strongly recommend to install lightning arresters on power unit , port side of switch and port side of power receiving unit.
・Repair fee due to lightning strike will be applicable even though the products is under warranty period.

Lightning surge current to flow toward switching hub (the side of low voltage) when there is no ground wire.

Lightning surge current (induced lightning)

Lightning surge tolerance is 2.5 times as strong as before

Lightning surge current to flow toward switching hub (the side of low voltage) when there is no ground wire.

Optical Port Monitoring (DDM)

You can immediately check the status of SFP module remotely by using network connection without special device such as optical power meter. Connection issue can be diagnosed remotely.

Installation location A   Installation location B
Connected by optical cable
Transmitting side dBm   Receiving side dBm
Attenuation
Sending Strength
Threshold upper limit   Normal state   Threshold upper limit
Abnormal state
Sending Weak   Abnormal state   Threshold Lower limit
Threshold Lower limit   Receiving Weak

Prevent on site physical verification

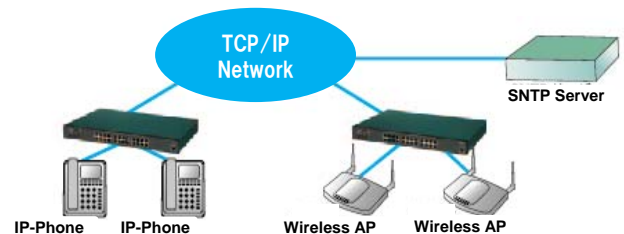**No need of optical power meter**

PoE Scheduler Function

PoE scheduler function allows user to define the period of individual port's power supply to connected device.
This function also assist on preventing fraud use and power consumption on PoE devices such as IP-phone and wireless AP
User can program (month, week, day, specified day) to automatically turn off and on the power.

TCP/IP Network

SNTP Server

IP-Phone   IP-Phone   Wireless AP   Wireless AP

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1. All port Gigabit Ethernet Capable

All ports provides Gigabit Ethernet connectivity
Small Form-Factor Pluggable (SFP) uplinks
（UTP and SFP ports are exclusive use only）

2. 802.3at Power over Ethernet Plus（PoE+）

PoE+ support for up to 30W per port
This series support both PoE and PoE+ that incorporate high-speed wireless access point.

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

・Capable of detecting loop failure even when bridged in multiple switches.
・Automatic port shutdown and front panel LED notification.
・Loop History Function (simple ver.)
It provides information with Loop History LED which shows whether loop failure happened in the last three days.

4. Up to 50℃ Operating Temperature
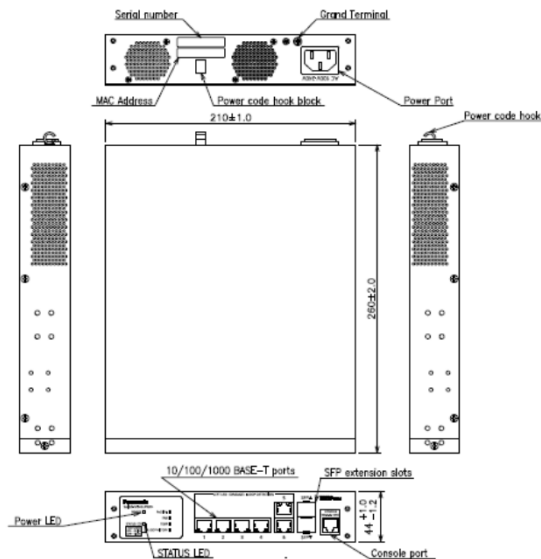
Supports 50 degree Celsius operating temperature

5. Pursue Lower Energy-Consumption

・Automatically turn off port power when the port has been unplugged.
・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.

6. Others

Fan Sensor/ Temp. Sensor/ VLAN/ QoS/ IEEE802.1X/
IGMP Snooping/ Link Aggregation/ Redundant Ring Protocol/ STP/ RSTP

Panasonic

Product Name		Switch-M5eGLPWR+
Product Number		PN28058
Port Expansion Module Slot	10/100/1000BASE-T	6 ports
	SFP (Combo)	2 slots
PoE Port		4 ports (IEEE802.3at)
Cascade Connection		All UTP ports are MDI/MDI-X
Switching Method		Store and Forward
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		○
Security		IEEE802.1x (port base)
QoS		IEEE802.1p, Scheduling : PQ/WRR
VLAN		IEEE802.1Q TagVLAN (256 Groups), Port Security Group Setting Function
Spanning Tree		IEEE802.1D, IEEE802.1w
Multicast		IGMP Snooping
Ring Protocol		○
PoE Schedulre		○
Manaagement		SNMP v1/ v2c, RMON, SSHv2, Telnet Server, Web Server
Power Supply		AC100-240V 50/60Hz
Max Power Supplying Ability	Per Port	30W
	Whole Device	62W
Operating Environment		Temparature : 0℃～40℃, Humidity : 20～80%
Storage Environment		Temparature : -20℃～70℃, Humidity : 10～90%
Size (mm)		H44×W210×D280
Accessories		Manual、CD-ROM、Power Code, Rubber Foot, Rack Mount Kit

eGLPWR+ Series

Switch-M5eGLPWR+	**Switch-M8eGLPWR+**	**Switch-M12eGLPWR+**	**Switch-M16eGLPWR+**	**Switch-M24eGLPWR+**
PN28058	PN28088	PN28128	PN28168	PN28248
Max. Power Supply 62W	Max. Power Supply 124W	Max. Power Supply 185W	Max. Power Supply 185W	Max. Power Supply 185W

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

Panasonic Eco Solution Networks Co., Ltd.

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