

## PGS-24C04FM



### FEATURE

#### ❖ 10/100M 存取、Gigabit (TP/SFP) UpLink

- 支援 10/100M 乙太網路埠和千兆 Combo 埠組合，使用戶能夠靈活組建網路，滿足各種場景需求。
- 支援非阻塞式轉發，讓傳輸更流暢。
- 支援基於 IEEE802.3x 的全雙工和基於反壓的半雙工。

#### ❖ 安全性

- 802.1X 認證。
- 端口隔離、防風雨。
- IP-MAC-VLAN-連接埠綁定。

#### ❖ 高效率的處理能力

- IEEE802.1Q VLAN，靈活的 VLAN 分割和 QinQ 配置。
- QoS、基於 802.1P 的優先權模式、Port & DSCP、佇列調度演算法包括 Equ、SP、WRR SP+WRR。
- ALC，透過設定匹配規則、處理操作和時間來過濾資料包權限，並提供靈活、安全的存取控制。
- IGMP V1/V2 和 IGMP Snooping。
- STP/RSTP/MSTP。
- 靜態和動態聚合。

## ◆ 穩定可靠

- CCC、CE、FCC、RoHS。
- 低功耗、無風扇、鍍鋅鋼金屬外殼。
- 自主研發電源，高冗餘設計，提供長期穩定的電力輸出。
- 人性化面板，可透過 PWR 的 LED 指示燈顯示設備狀態，連結/行動。

## ◆ 便捷的維護管理

- Web 管理、CLI 命令列 ( Console、Telnet )、SNMP ( V1/V2/V3 )。
- HTTPS、SSLV3、SSHV1/V2。
- RMON、系統日誌、LLDP、連接埠流量統計。
- CPU 監控、記憶體監控、Ping 測試、網路診斷。


# TECHNICAL SPECIFICATION

## Interface Characteristics

Fixed Port	24*10/100Base-TX RJ45 ports (Data) 2*10/100/1000Base-T uplink RJ45 ports (Data) 2*100/1000Base-X uplink SFP slot ports (comboports) (Data) 1*RS232 console port (115200,N,8,1)
Ethernet Port	Port 1-16/1-24 support 10/100Base-TX, Port 17-18 /25-26 support 10/100/1000Base-T(X) automatic detection, full /half duplex MDI/MDI-X adaptive
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode/multi-mode, single fiber/dual fiber optical module.LC)
Optical Cable / Distance	Multi-mode: 850nm/0~550M, Single-mode: 1310nm/0~40KM, 1550nm/0~120KM.

## Chip Parameter

Network Protocol	IEEE802.3 10BASE-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX/FX, IEEE802.3z 1000Base-XIEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)



Switching Capacity	64Gbps
Forwarding Rate@64byte	6.55Mpps
MAC	8K
Buffer Memory	4.1M
Jumbo Frame	10K
CPU(Hz)	500M
DRAM	1G
Flash	256M
LED Indicator	Power:PWR (green), network: Link, link/Act (yellow), Speed: SPD (green)
ResetSwitch	Yes, One-button factory reset

### Power

Total PWR/ Input Voltage	30W/(AC100-240V)
Power Consumption	Standby<18W ,Full load:<25W
Power Supply	Built-in power supply, AC100~240V ,50-60Hz 0.56A

### Physical Parameter

Operation TEMP / Humidity	-20~+55°C, 5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+75°C, 5%~95% RH Non condensing
Dimension(L*W*H)	440*290*44.5mm
Net /Gross Weight	<4.6kg / <5.1kg
Installation	Desktop, Wall-mounted, 19 inch 1U cabinet

### Certification & Warranty

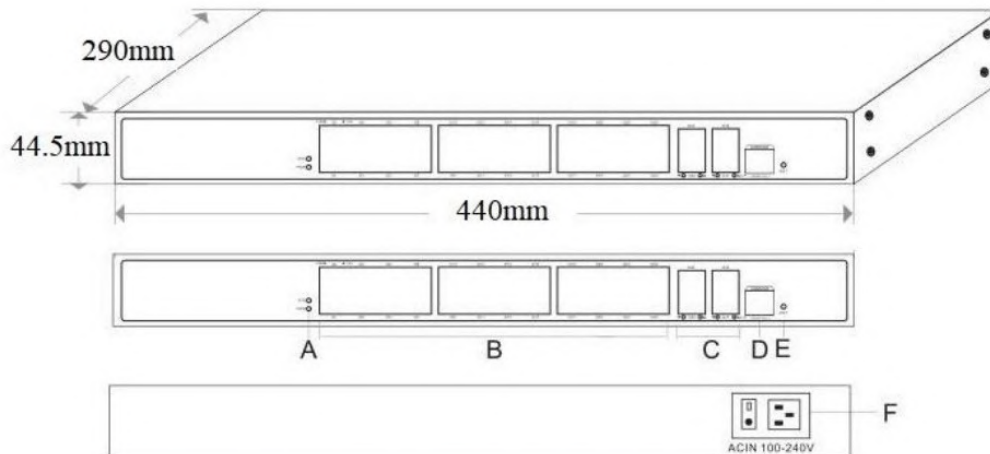
Lightning protection / protection level	Lightning protection: 4KV 8/20us, Protection level: IP30
Warranty	3 years, lifelong maintenance.

### Network Management Features

Interface	IEEE802.3X (Full-duplex) Broadcast storm control based on port speed The speed limit of the message flow in the access port. The minimum particle size is 64Kbps.
VLAN	QinQ configuration VLAN based on protocol 4K VLAN based on port, IEEE802.1q
Port Aggregation	LACP, Manual aggregation Max 13 aggregation groups and 8 ports per group.

Spanning Tree	STP (IEEE802.1d),RSTP (IEEE802.1w),MSTP (IEEE802.1s)
Multicast	MLD Snooping v1/v2, Multicast VLAN IGMP Snooping v1/v2/v3, Max 64 multicast groups, Fast log out
Port Mirroring	Bidirectional data mirroring based on port
QoS	Diff-Serv QoS Priority Mark/Remark 8*Output queues of each port 802.1p/DSCP priority mapping Queue Scheduling Algorithm (SP,WRR,SP+WRR)
ACL	L2-L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range and VLAN etc. Port-based Issuing ACL.
Security	Port isolation Broadcast storm control Port+MAC binding, IP+MAC+port binding
DHCP	DHCP Client,DHCP Snooping,DHCP Relay
System & Management	NTP SNMP V1/V2C/V3 One-key recovery Login Record Web Management (HTTPS)

## DIMENSION



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|--------------------------|--|
| A. Working indicator     | B. 24*10/100/1000M PoE ports           |
| C. 4*100/1000M SFP ports | D. Console port                        |
| E. Reset switch          | F. Power input port AC100-240V,50/60Hz |

# APPLICATION

