



GEP-75028GFIN

19" Rack-mount L3 Managed Industrial Switch



Features

- 24 x Gigabit RJ-45 ports + 4 x Gigabit SFP ports
- SNMP, WEB, Telnet, SSH, Console, Standard & private MIB
- Support standard IP / Extend IP / MAC IP / ARP ACL
- 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption)
- EAPS (ultra high-speed recovery time < 20ms), RSTP/STP/MSTP
- MAC Address 16K
- Switching capacity 56G
- Lost power alarm
- IP30, metal shell with Rack-mounting kits
- 100 ~ 240VAC input and relay output
- -20 ~ 60°C wide-range operating temperature

Introduction

The GEP-75028G series are designed for Industrial applications. Thanks to its wide operating temperature it can operate reliably in extremely harsh environments. Designed with 24 Gigabit ports and 4 Gigabit SFP ports, it provides abundant and flexible connection. Finally, it contains surge protection to ensure system stability and relay outputs for greater user flexibility.

Specifications

Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3ab 10/100/1000Base-T (X), 1000Base-SX/LX/LHX/XD/ZX/EZX
- **LAN** 10/100/1000Base-T (X), 1000Base-SX/LX/LHX/XD/ZX/EZX
- **Transmission Distance** Ethernet: Up to 100 m (4-wire Cat.5e, Cat.6 RJ45 cable suggested for Gigabit port) SFP: Up to 110 km (depends on SFP)
- **Transmission Speed** Ethernet: 10/100 Mbps Auto-Negotiation Gigabit Copper: 10/100/1000 Mbps, Auto-Negotiation Gigabit Fiber: Up to 1000 Mbps

Interface

- **Connectors** 24 x RJ45 (Ethernet) 4 x SFP Ports 3-pin removable screw terminal (Power) 2-pin removable screw terminal (Relay)
- **LED Indicators** RJ-45: Link/Activity SFP: Link/Activity
- **Console** RS-232 (RJ45)

Mechanism

- **Enclosure** IP30, metal shell with Rack-mounting kits
- **Dimensions** 442 x 44 x 352 mm
- **Mounting** 1U 19" Rack mount

Power

- **Power Consumption** 30 W @ 110VAC
- **Power Input** 90 ~ 264VAC / 88 ~ 370VDC
- **Fault Output** Relay Outputs

Protection

- **Surge protection** Power: CM / DM 8/20us 3KA RJ-45: CM / DM 10/700us 6KV
- **Power Reverse** Present
- **Overload Current** Present

Environment

- **Operating Temperature** -20 ~ 60°C
- **Storage Temperature** -20 ~ 70°C
- **Operating Humidity** 10 ~ 95% (non-condensing)
- **Storage Humidity** 10 ~ 95% (non-condensing)

Certification

- **Safety** CE-LVD
- **EMI** CE FCC EN55022 Class A
- **EMS** EN 61000-4-2, EN 61000-4-3 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6

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L2 Features

- **L2 MAC Address** 16K
- **Switching capacity** 56G
- **Jumbo Frame** 9KB
- **VLAN Group** 4093 (VLAN ID 1~4093)
- **VLAN** Mac based VLAN, Protocol based VLAN, IP subnet based VLAN, Port based VLAN, GVRP
- **Port Mirroring** Per port, Multi-source port
- **IP Multicast** IGMP Snooping v1/v2/v3, MLD Snooping, IGMP Immediate leave
- **Storm Control** Broadcast, Multicast, Unknown unicast
- **Spanning Tree** IEEE 802.1D-STP, IEEE 802.1s-MSTP, IEEE 802.1w-RSTP, EAPS

L3 Features

- **Routing Host** 512
- **Routing Entries** 64
- **Static Routing** Support
- **Policy Routing** Support
- **RIP** Support
- **OSPF** Support
- **VRRP** Support

QoS

- **Priority Queue Scheduling** WRR (Weighted Round Robin), SP (Strict Priority)
- **Class of Service** IEEE 802.1p based CoS, IP TOS, DSCP based CoS
- **Rate Limiting** Egress Rate limit, Ingress Rate limit
- **Link Aggregation** IEEE 802.3ad Dynamic Port Trunking, Static Port Trunking

Security

- **Port Security** Static, Dynamic
- **Authentication** 802.1x (Port-Based), RADIUS, TACACS+
- **ACL** Standard IP / Extend IP / MAC IP / ARP ACL
- **Advanced Security** IP Source Guard

Management

- **DHCP** Relay, Option82
- **Access** SNMP, WEB, Telnet, RMON, Standard MIB, Private MIB
- **Security Access** SSH
- **Software Upgrade** TFTP, HTTP
- **NTP** NTP client

Ordering Information

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