

Gigabit Managed PoE Switch

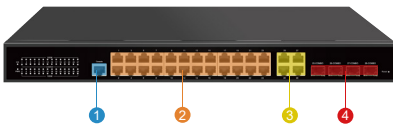
GNT-P2804M6-H

- Total Power 400W
- 24 ports PoE
- 4 ports SFP
- 4 Combo ports
- 1 Console port

Product Features

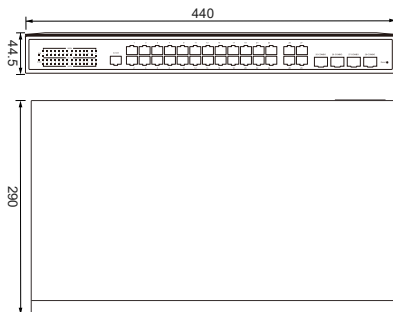
- Gigabit L2+ managed switch
- Support RSTP/MSTP spanning tree
- Support IPV6, ACL, SNMP, SSL
- Support 802.1q VLAN
- Support Routing Protocol : RIPV1/2, OSPF

Ports Description

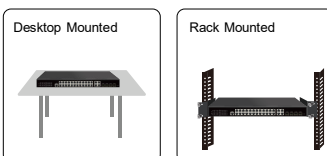


- 1 Console port
- 2 1000Mbps PoE Ports
- 3 1000Mbps Combo Ports
- 4 1/10G SFP Ports

Dimension (mm)



Installation Diagram



Specifications

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|------------------------|-----------------------------------------------------------------------------------------------------|
| Model | GNT-P2804M6-H |
| Ports | 28x10/100/1000Mbps RJ45 ports |
| | 4x1/10 G SFP fiber ports |
| | 4x1000Mbps combo |
| | 1xConsole port |
| Standards | IEEE 802.3i,802.3u,802.3ab,802.3x,802.3az,802.3at,802.3af |
| Power Supply | AC100~240V 50/60Hz |
| Indicators | Electrical port indicator, optical port indicator, power input indicator, system running indicator. |
| Network Media (Cable) | 10Base-T: UTP category 3, 4, 5 cable (maximum 100m) |
| | 100Base-Tx: UTP category 5, 5e cable (maximum 100m) |
| | 1000Base-T: UTP category 5e, 6 cable (maximum 100m) |
| | 1000Base-X:MMF,SMF |
| PoE Ports(RJ45) | 24xPoE ports compliant with 802.3af/at |
| PoE Pin Definition | 1/2(+),3/6(-) |
| Total power | 400W |
| Transfer Method | Store-and-Forward |
| MAC Address Table | 16K |
| Switching Capacity | 56Gbps |
| Packet Forwarding Rate | 41.664Mpps |
| Packet Buffer | 4.1Mbit |
| Jumbo Frame | 10KBytes |
| Dimensions | Size(L*W*H): 440mmx290mmx44.5mm |
| Environment | Operating Temperature: 0°C~45°C(0°F~113°F) |
| | Storage Temperature: -40°C~70°C(-40°F~158°F) |
| | Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~95% non-condensing |
| Certification | CE;FCC;RoHS |
| Warranty | Whole Device: 2 year |
| Package Content | AC Power Cable,User Manual |

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|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| L3 Switching Features | Static Routing: IPv4/IPv6 |
| | Address Resolution Protocol (ARP): Static ARP |
| L2 Switching Features | 16K MAC Address Table |
| | 10K (10000) Jumbo Frame |
| | Flow Control: 802.3x (Full-duplex),Back-Pressure (Half-duplex) |
| | Spanning Tree: IEEE 802.1D (STP),IEEE 802.1w (RSTP),IEEE 802.1s (MSTP)/16 instances, Auto Edge Port,BPDU Filtering,ERPS |
| | Link Aggregation: IEEE 802.3ad LACP, Static Trunk, Max 8 Group, Max 8 Ports/Group, Traffic Load Balancing |
| VLAN | Surveillance VLAN: 16 OUI Mode (Auto/Manual) |
| | Voice VLAN: 16 OUI Mode (Auto/Manual) |
| | QinQ (IEEE 802.1ad): Basic |
| | GARP VLAN Registration Protocol (GVRP) |
| | 4096 Static VLAN |
| | IEEE 802.1Q Tagged-based |
| | 8 groups Protocol-based |
| | 256 MAC-based |
| Multicast | Common: 256 Multicast Groups, Immediate Leave, Static/Forbidden Router Port, Static/Forbidden Forward Port, 128 profiles Filtering, Throttling |
| | IGMP Snooping: IGMP v1/v2, IGMP v3 Basic (BISS), IGMP v2/v3 Querier |
| | MLD Snooping: MLD v1/v2 |
| | Multicast VLAN Registration (MVR): IPv4 |
| Quality of Service (QoS) | Trusted QoS |
| | Queue Scheduling: WRR, WFQ, Strict Priority, Hybrid(WRR+SP or WFQ+SP) |
| | Class of Service: Port-based, 802.1p, IP TOS Precedence, IP DSCP |
| | Rate Limit: Port-based (Ingress/Egress) |
| Access Control List (ACL) | ACL Type: L2/L3/L4, 512 MAC-based, 512 IPv4-based, 512 IPv6-based |
| | PoE Function: Power, Current, Voltage, PoE Watch Dog |
| | Access Rules: 1024 |
| Security | AAA Authentication |
| | 8 TACACS+ |
| | 8 RADIUS |
| | Authentication Manager: IEEE 802.1X, MAC Auth, Web Auth, Guest VLAN, Port-based, Host-based |
| | Account Manager: Local Authenticoain, 8 Multiple User Account, Multi-Level Securiy (Manager/Operator), Password Recovery Procedures |
| | Management Access: Management VLAN, 256Management ACL |
| | SSL: SSLv2, SSLv3, TLSv1 |
| | WebUI: HTTPS |
| | CLI: SSH v1/v2 |
| | Port Security: 256 Dynamic Lock |
| | Storm Control: Broadcast, Unknown Multicast, Unknown Unicast |
| Spanning Tree: BPDU Guard | |

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| Security | Protected Port (Port Isolation) |
| | Black Hole MAC |
| | CPU Defence Engine |
| | DoS Prevention |
| | DHCP Snooping (with Option 82) |
| | Dynamic ARP Inspection |
| | 256 IP Source Guard |
| | IP/MAC/Port Binding (IMPB) |
| | Dynamic VLAN Assignment |
| IPv6 | IPv6 Host: Auto Configuration, Static IPv6 Address and Prefix Length, Static IPv6 Default Gateway, IPv6 Neighbor Discovery (ND), IPv6 Duplicate Address Detection, ICMPv6 |
| | IPv6 Application: HTTP/HTTPS, TELNET, SSH, SNMP, TFTP, Syslog, PING, DHCPv6 |
| Management | CLI: 3 sessions Console, 3 sessions Telnet (RFC854) |
| | WebUI: HTTPS |
| | SNMP(v1,v2c,v3) |
| | File Management: Firmware Upgrade/Backup, Dual Images, Configuration Download/Backup, Multiple Configurations |
| | Upload/Download: TFTP (RFC783), HTTP, UART |
| | Time Management: Local, SNTP |
| | Port Management: Friendly Port Name (Port Description), Error Disabled Recovery |
| | Line Management: Console, Telnet (RFC854), SSH v1/v2 |
| | DHCP: Client |
| | DNS: Client |
| | Software Reset Button |
| | IEEE (802.3az) |
| | 32 entries / type RMON Management |
| Discovery | IEEE 802.1AB Link Layer Discovery Protocol (LLDP) |
| | ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED) |
| Diagnostics | UDLD |
| | Mirroring: 4 sessions port-based (Many to One) |
| | Syslog (RFC3164): Local RAM,Local Flash, 8 Remote Server |
| | System Diagnostics: CPU Utilization, Memory Utilization, Port Utilization , Technical Support Log |
| | Network Diagnostics: Ping Test, Traceroute |
| MIB | RFC1213 MIBII (System & Interface groups) |
| | RFC2819 RMON I (1,2,3, & 9 groups) |
| | RFC1215 Generic Traps |
| | RFC1493 Bridge |
| | RFC2674 Bridge MIB Extensions |
| | RFC2737 Entity |
| | RFC3635 Ethernet-Like |
| | RFC2863 Interface Group |
| | SNMP-Community-MIB |
| | SNMPv3-MIB |