Gigabit Managed PoE Switch

GNT-P1802M7

- Total Power 250W
- 16 ports PoE
- 2 ports SFP
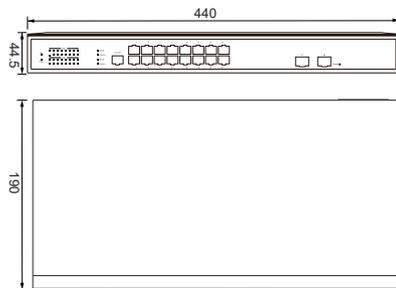- 1 Console port

Product Features

- Gigabit L2+ managed switch
- Support RSTP/MSTP spanning tree
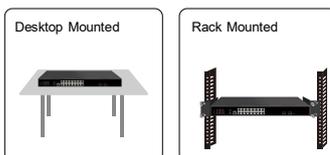- Support IPV6, ACL, SNMP, SSL
- Support 802.1q VLAN

Ports Description

1 Console port
2 1000Mbps PoE Ports
3 1000Mbps SFP Ports

Dimension (mm)

440
44.5
190

Installation Diagram

Desktop Mounted   Rack Mounted

Specifications

Model	GNT-P1802M7
Ports	16x10/100/1000Mbps RJ45 ports
	2x1000Mbps SFP fiber ports
	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)	16xPoE ports compliant with 802.3af/at
PoE Pin Definition	1/2(+),3/6(-)
Total power	250W
Transfer Method	Store-and-Forward
MAC Address Table	8K
Switching Capacity	36Gbps
Packet Forwarding Rate	26.784Mpps
Packet Buffer	4.1Mbit
Jumbo Frame	10KBytes
Dimensions	Size(L*W*H): 440mmx190mmx44.5mm
Environment	Operating Temperature: 0°C~45°C(0℉~113℉)
	Storage Temperature: -40°C~70°C(-40℉~158℉)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~95% non-condensing
Certification	CE;FCC;RoHS
Warranty	Whole Device: 1 year
Package Content	AC Power Cable,User Manual

L2 Switching Features	8K 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 Authenticatoin, 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

※Specifications subject to change without notice.

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