

Gigabit Managed Switch

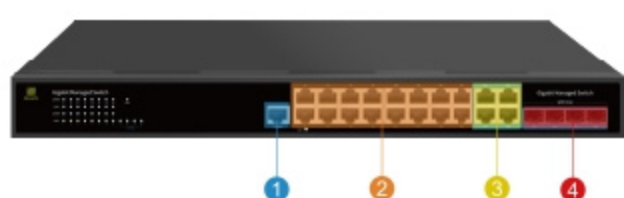
GNT-G5420GC

- 16 ports
- 4 ports combo
- 4 ports SFP
- 1 Console port

Product Features

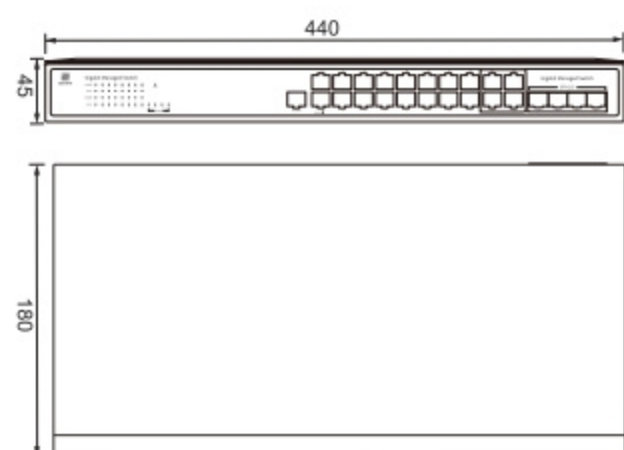
- Gigabit L2+ managed switch
- Support RSTP/MSTP spanning tree
- Support IPV6, ACL, SNMP, SSL
- Support 802.1q VLAN
- Support RSTP/MSTP spanning tree

Ports Description

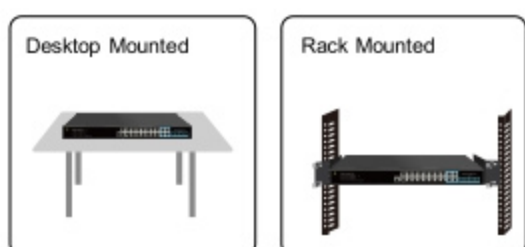


- 1 Console port
- 2 1000Mbps Ports
- 3 1000Mbps Combo Ports
- 4 1000Mbps SFP Ports

Dimension (mm)



Installation Diagram



Specifications

Model	GNT-G5420GC
Ports	16x10/100/1000Mbps RJ45 ports
	4x1000Mbps combo
	4x1000Mbps SFP fiber ports
	1xConsole port
Standards	IEEE 802.3i,802.3u,802.3ab,802.3x,802.3az
Power Supply	AC100~240V 50/60Hz; 15W
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
Transfer Method	Store-and-Forward
MAC Address Table	8K
Switching Capacity	40Gbps
Packet Forwarding Rate	26.784Mpps
Packet Buffer	4.1Mbit
Jumbo Frame	10KBytes
Dimensions	Size(L*W*H): 440mmx180mmx45mm
Environment	Operating Temperature: 30°C~60°C
	Storage Temperature: -40°C~70°C
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~95% non-condensing
Warranty	Whole Device: 3 year
Package Content	AC Power Cable,User Manual
L3 Switching Features	Static Routing: IPv4/IPv6
	Address Resolution Protocol (ARP): Static ARP
L2 Switching Features	8K MAC Address Table
	10K (10000) Jumbo Frame

L2 Switching Features	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
	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 Authentication, 8 Multiple User Account, Multi-Level Security (Manager/Operator), Password Recovery Procedures
	Management Access: Management VLAN, 256 Management 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
	Protected Port (Port Isolation)
	Black Hole MAC
	CPU Defence Engine

Security	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