

G4224T Specification



Hardware	
System Architecture	24-Port G.hn Wave2 Twisted Pair GAM: 24 * G.hn Wave2 ports (RJ45 connector) 24 * PSTN Pass through ports (RJ21 connector, optional) 2 * 1000-X/10000-X SFP/SFP+ ports 1 * 10/100/1000BT RJ45 ports 1 * RS232 serial console port (RJ45 connector) 1 * Type-C USB console port 2 * SYNC BNC ports
Power	100 ~ 240VAC / 50 ~ 60Hz or 48VDC One Pluggable Power Module
FAN	One Pluggable FAN Module
LED	Power, System Active, SYNC, FAN, SFP port link/active, Management port link/active, G.hn Link
Button	1 * Reset Button
Physical Dimension	1U high (440mm*268mm*44mm) Support 19" Rack Mount
Weight	<5.2 KG
Power consumption	80W full load
Environment Conditions	
Operating temperature	-20°C ~ 60°C
Storage temperature	-25°C ~ 80°C
Operating humidity	5% ~ 95% RH non-condensing
G.hn performances & Specification	
Line Modulation Way	OFDM (Orthogonal Frequency Division Multiplexing)
G.hn Specification	2~200 MHz for Baseband (2~200MHz SISO, 2~100MHz MIMO) Support 2 wire SISO and 4 wire MIMO Power Mask Notching Dynamic PSD NDIM (Neighbor Domain Interface Mitigation) Radio Band Notching function NEXT (Near End Crosstalk) Mitigation
Software	
MAC Address	16K
VLAN Numbers	4K, 256 VLAN groups
Layer 2	802.1W STP, RSTP, MSTP 802.1D Spanning Tree Protocol

	<p>802.1Q VLAN</p> <p>802.3ad Link Aggregation (MAX 8 Groups & 8 members for each group)</p> <p>Jumbo Frame up to 9K</p>
Management	<p>Web-based management GUI</p> <p>CLI</p> <p>Syslog, SNMP v1/v2c/v3, SNMP trap, RMON, TFTP</p> <p>SNTP, Port Mirroring</p> <p>Security by using password for log-in via Console and Telnet</p> <p>Factory restore</p> <p>Reboot</p> <p>Firmware upgrade</p> <p>Configuration backup and restore</p>
Multicast	<p>IGMP Snooping V1/V2</p> <p>Multicast Group up to 512</p> <p>Multicast Traffic Block / Filtering</p> <p>Protection of malicious multicast traffic from subscriber port</p>
DHCP	<p>DHCP</p> <p>DHCP Request Flooding protection (DHCP snooping rate-limiting) DHCP Option 82</p> <p>Circuit-ID: port information user connected</p> <p>Remote-ID: MAC address information of Relay device</p>
Security	<p>DLF, Broadcast</p> <p>DHCP Filtering, Mac Filtering, NetBEUI, NetBIOS Filtering, NBT Packet filtering based on IP address and TCP, UDP port</p> <p>Flooding protection (static MAC, MAC count) Multicast/Broadcast flooding protection</p> <p>Service classifying for the Control Packet (Ping, Telnet, SNMP, TFTP etc.)</p> <p>NetBIOS/ NetBEUI/ NBT filtering</p> <p>8 CPU queue, Rate-limit to CPU traffic</p> <p>IP/TCP/UDP Port Filtering</p>
QoS / ACL	<p>Layer 2 (Source/Destination MAC Address, VLAN ID, COS Field)</p> <p>Layer 3 (Source/Destination IP Address, DSCP Field) Priority/Parameter based QoS</p> <p>8 queue per port</p> <p>SPQ, WRR, SPQ + SDWRR: port, queue DSCP marking/remarking</p> <p>Ingress ACL: 128</p>