

CGS-1210 Series



HIGHLIGHT

- 8/ 16/ 24/ 48 Gigabit ports with 2/ 4 1Gigabit Uplink
 - IEEE 802.3at PoE+ support per port 30W
 - 130W/ 370W/ 740W PoE power budget
 - Up to 104 Gbps switching capacity
 - Up to 16K MAC address table
 - Up to 12 Mbit packet buffer memory
 - Up to 12 KByte jumbo frame
 - Non-blocking switching architecture for maximum throughput at wire speed
 - Store-and-Forward forwarding method
 - CLI and Web GUI management
 - Smart fan design
 - Surge 6 KV protection
-

PRODUCT SPECIFICATIONS

Hardware Specifications				
Model Name	CGS-1210-10	CGS-1210-10P-130	CGS-1210-20C	CGS-1210-20PC-370
Interfaces				
10/100/1000BASE-T	8	8	16	16
10/1000BASE-X	2	2	—	—
100/1000BASE-T & 100/1000BASE-X Combo	—	—	4	4
Console Port	1× RJ45 Console			
PoE Specifications				
PoE Port	—	Port 1 ~ 8	—	Port 1 ~ 16
PoE Standard	IEEE 802.3at, 30W			
PoE Power Budget	130W		370W	
Performance				
Switching Capacity	20 Gbps	20 Gbps	40 Gbps	40 Gbps
MAC Address	8K			
Buffer Memory	4.1 Mbit	4.1 Mbit	4.1 Mbit	4.1 Mbit
Jumbo Frame	10 KByte			
Power				
Input	100 to 240 VAC, 50/60 Hz			
Power Consumption	6.33W	9.4W (PoE Off) 152.3W (PoE On)	13.08W	22.61W (PoE Off) 435.88W (PoE On)
Green Feature				
Energy Efficiency Ethernet	Yes			
Physical Specification				
Enclosure Form Factor	Rack-Mount			
Material	Metal			
Dimensions (W x D x H)	280 x 126 x 44 mm	330 x 180 x 44 mm	280 x 180 x 44 mm	441 x 250 x 44 mm
Weight	0.98 Kg	1.77 Kg	1.75 Kg	3.89 Kg
Quantity of Fan	1	1	1	2
Environmental Specifications				
Operating Temperature	-5 ~ 50 °C			
Storage Temperature	-20 ~ 70 °C			
Operating Humidity	0 ~ 95 %RH (non-condensing)			
Storage Humidity	0 ~ 95 %RH (non-condensing)			
Others				
Surge Protection	6 KV for Downlink RJ-45 Port			

Hardware Specifications				
Model Name	CGS-1210-28C	CGS-1210-28PC-370	CGS-1210-52C	CGS-1210-52PC-740
Interfaces				
10/100/1000BASE-T	24	24	48	48
10/1000BASE-X	—	—	—	—
100/1000BASE-T & 100/1000BASE-X Combo	4	4	4	4
Console Port	1× RJ45 Console			
PoE Specifications				
PoE Port	—	Port 1 ~ 24	—	Port 1 ~ 48
PoE Standard	IEEE 802.3at, 30W			
PoE Power Budget	370W		740W	
Performance				
Switching Capacity	56 Gbps	56 Gbps	104 Gbps	104 Gbps
MAC Address	8K		16K	
Buffer Memory	4.1 Mbit	4.1 Mbit	12 Mbit	12 Mbit
Jumbo Frame	10 KByte		12KByte	
Power				
Input	100 to 240 VAC, 50/60 Hz			
Power Consumption	17.32W	29.8W (PoE Off) 428.8W (PoE On)	34.85W	52.942W (PoE Off) 891.35W (PoE On)
Green Feature				
Energy Efficiency Ethernet	Yes			
Physical Specification				
Enclosure Form Factor	Rack-Mount			
Material	Metal			
Dimensions (W x D x H)	440 x 140 x 44 mm	440 x 250 x 44 mm	440 x 210 x 44 mm	441 x 430 x 44 mm
Weight	2.15 Kg	3.94 Kg	3.46 Kg	6.26Kg
Quantity of Fan	1	1	1	2
Environmental Specifications				
Operating Temperature	-5 ~ 50 °C			
Storage Temperature	-20 ~ 70 °C			
Operating Humidity	0 ~ 95 %RH (non-condensing)			
Storage Humidity	0 ~ 95 %RH (non-condensing)			
Others				
Surge Protection	6 KV for Downlink RJ-45 Port			

L2 Features	• 802.3x Flow Control • Spanning Tree • Link Aggregation • Mirroring • Loopback Detection (LBD)
L2 Multicast	• IGMP Snooping • MLD Snooping • L2 multicast filtering
VLAN	• 802.1Q VLAN • Voice VLAN • Auto Surveillance VLAN • Asymmetric VLAN
L3 Features	• IP Interface • ARP • IPv6 Neighbor Discovery (ND)
L3 Routing	• Static Route
QoS	• 802.1P Priority Queue Mapping • Port-based Bandwidth Control • Queue Handling
Access Control List (ACL)	• MAC Access List • IP/IPv6 Access List
Security	• Port Security • Broadcast/Multicast/Unicast Storm Control • Traffic Segmentation • IP-MAC-Port Binding (IMPB) • DHCP Snooping • IPv6 ND Inspection • IPv6 Snooping • ARP Spoofing Prevention • DoS Attack Prevention • DHCP Server Screening • SSH (Secure Shell) • TLS (Transport Layer Security) • AAA
Management	• Web-based GUI • CLI (Command Line Interface) • Telnet Server • Command Logging • Debug Command • SNTP (Simple Network Time Protocol) • DHCP Client • DHCP Auto-configuration • TFTP Client • Dual Images • Dual Configurations • SNMP • MIB • RMON • Ping • LLDP (Link Layer Discovery Protocol) • LLDP-MED (Media Endpoint Discovery) • SNMP Trap • System Log
OAM	• Cable Diagnostics