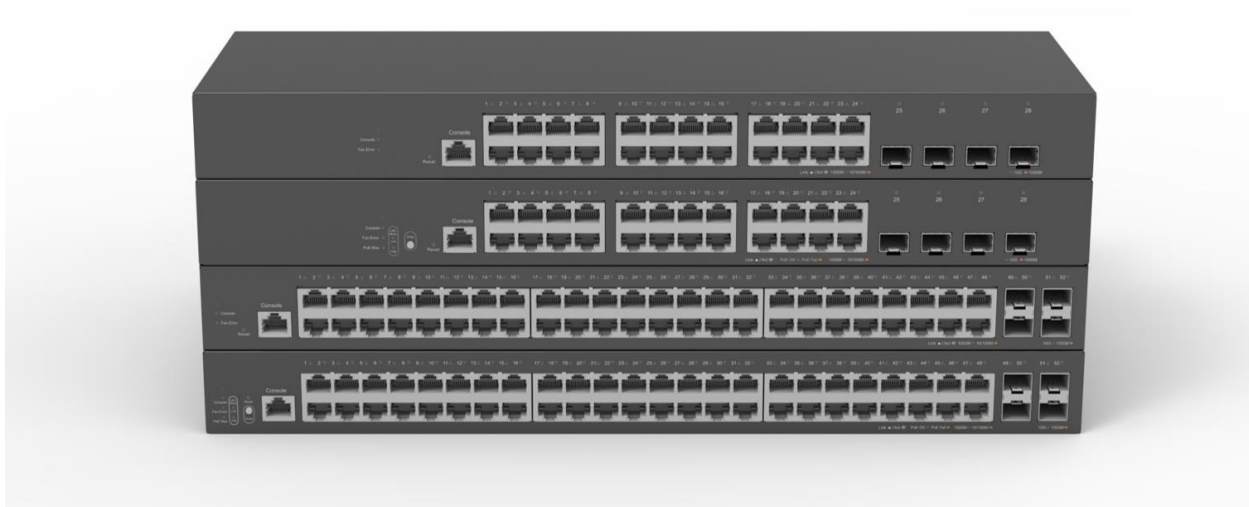


CGS-1250 Series



HIGHLIGHT

- 24/48 Gigabit ports with 4 10Gigabit Uplink
 - IEEE 802.3at PoE+ support per port 30W
 - 375W PoE power budget per device
 - Up to 176 Gbps switching capacity
 - Up to 16K MAC address table
 - Up to 16 Mbit packet buffer memory
 - 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
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PRODUCT SPECIFICATIONS

Hardware Specifications				
Model Name	CGS-1250-28X	CGS-1250-28XP	CGS-1250-52X	CGS-1250-52XP
Interfaces				
100/1000/2.5G/5G/10GBASE-T	24	24	48	48
1000BASE-X, 10GBASE-R	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	375W per device			
Performance				
Switching Capacity	128 Gbps	128 Gbps	176 Gbps	176 Gbps
MAC Address	16K			
Buffer Memory	12 Mbit	12 Mbit	16 Mbit	16Mbit
Jumbo Frame	12 KByte			
Power				
Input	100 to 240 VAC, 50/60Hz			
Power Consumption	21.6W	31.703W (PoE Off) 452.52W (PoE On)	TBDW	TBDW (PoE Off) TBDW (PoE On)
Green Feature				
Energy Efficiency Ethernet	Yes			
Physical Specification				
Enclosure Form Factor	Rack-Mount			
Material	Metal			
Dimensions (W x D x H)	441 x 140 x 44 mm	441 x 250 x 44 mm	441 x 210 x 44 mm	441 x 250 x 44 mm
Weight	TBD Kg	TBD Kg	TBD Kg	TBD 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			

Features	
L2 Features	• 802.3x Flow Control • Spanning Tree • Link Aggregation • Mirroring • Loopback Detection (LBD) • ERPS
L2 Multicast	• IGMP Snooping • IGMP Snooping Fast Leave • MLD Snooping • MLD Snooping Fast Leave • L2 multicast filtering
VLAN	• 802.1Q VLAN • Voice VLAN • Auto Surveillance VLAN • GVRP • Double VLAN (Q in Q) • Selective Q in Q • VLAN Translation • ISM VLAN (Multicast VLAN) • Asymmetric VLAN • VLAN trunking
L3 Features	• IP Interface • ARP • IPv6 Neighbor Discovery (ND)
L3 Routing	• Default Route • Static Route
QoS	• 802.1P Priority Queue Mapping • CoS (Class of Service) • Port-based Bandwidth Control • Queue Handling
Access Control List (ACL)	• MAC Access List • IP/IPv6 Access List • Time based ACL
Security	• Port Security • Broadcast/Multicast/Unicast Storm Control • Traffic Segmentation • IP-MAC-Port Binding (IMPB) • IP Source Guard • DHCP Snooping • DHCPv6 Guard • IPv6 RA Guard • IPv6 ND Inspection • IPv6 Snooping • ARP Spoofing Prevention • DAD (Duplicate Address Detection) • DAI (Dynamic ARP Inspection) • BPDU Attack Protection • 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 • Language Options

	• SNTP (Simple Network Time Protocol) • DHCP Client • DHCP Auto-configuration • DNS Client • TFTP Client • Dual Images • Dual Configurations • SNMP • MIB • RMON • Ping • Traceroute • LLDP (Link Layer Discovery Protocol) • LLDP-MED (Media Endpoint Discovery) • SNMP Trap • System Log
OAM	• Optical Transceiver DDM (Digital Diagnostic Monitoring)