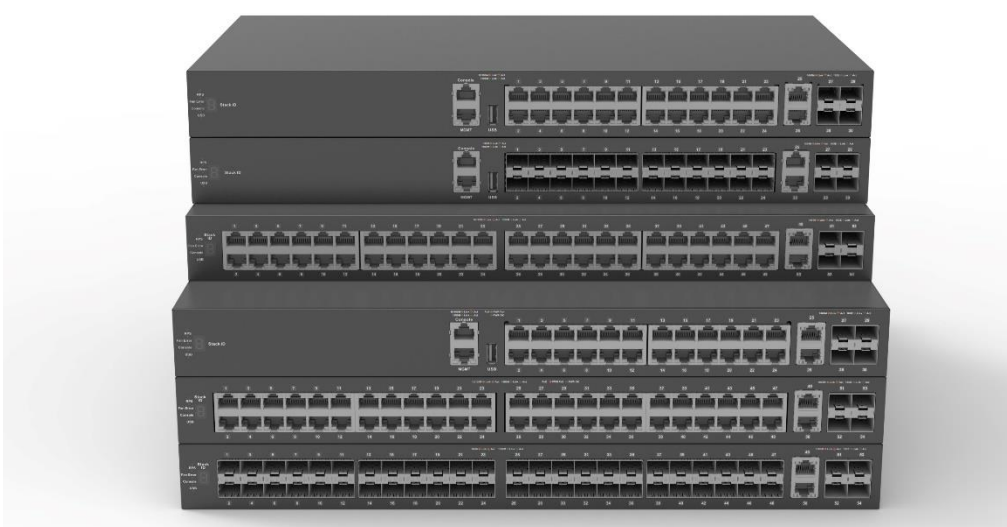


CGS-3130 Series



HIGHLIGHT

- 24/48x Gigabit ports
 - 6x 10Gigabit ports
 - IEEE 802.3af/at PoE+ support per port 30W
 - 370W PoE power budget per device
 - 740W PoE power budget with RPS
 - Up to 216 Gbps switching capacity
 - Up to 32K MAC address table
 - Up to 32 Mbit packet buffer memory
 - 12 KByte jumbo frame
 - Non-blocking switching architecture for maximum throughput at wire speed
 - Store-and-Forward forwarding method
 - Flexible stacking scalability
 - CLI and Web GUI management
 - Smart fan design
 - Redundant power supply and surge 6 KV protection
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PRODUCT SPECIFICATIONS

Hardware Specifications						
Model Name	CGS-3130-30E	CGS-3130-30PE-370	CGS-3130-30SE	CGS-3130-54E	CGS-3130-54PE-370	CGS-3130-54SE
Interfaces						
10/100/1000BASE-T	24	24	–	48	48	–
100BASE-FX, 1000BASE-X	–	–	24	–	–	48
100/1000/10GBASE-T	2					
1000BASE-X, 10GBASE-R	4					
Management Port	1× 1G RJ45 OOB Management Port					
Console Port	1× RJ45 Console					
USB Port	1× USB 2.0 type A					
PoE Specifications						
PoE Port	–	Port 1 ~ 24	–	–	Port 1 ~ 48	-
PoE Standard	IEEE 802.3af/at, 30W					
PoE Power Budget	370W per device, 740W w/ RPS					
Performance						
Switching Capacity	168 Gbps			216 Gbps		
MAC Address	16K			32K		
Buffer Memory	16 Mbit			32 Mbit		
Jumbo Frame	12 KByte					
Power						
Input	100 to 240 VAC, 50/60 Hz					
Power Consumption	30.36W	38.74W (PoE Off) 454.55W (PoE On)	65.01W	46.19W	62.25W (PoE Off) 474.51W (PoE On)	95.06W
Green Feature						
Energy Efficiency Ethernet	Yes					
Physical Specification						
Enclosure Form Factor	Rack-Mount					
Material	Metal					
Dimensions (W x D x H)	440 x 250 x 44 mm	440 x 430 x 44 mm	440 x 250 x 44 mm	440 x 310 x 44 mm	440 x 430 x 44 mm	440 x 430 x 44 mm
Weight	3.2 Kg	5.6 Kg	3.5 Kg	4.2 Kg	6.2 Kg	5.6 Kg
Quantity of Fan	1	3	3	2	4	4
Environmental Specifications						
Operating Temperature	0 ~ 50 °C					
Storage Temperature	-40 ~ 70 °C					
Operating Humidity	10 ~ 90 %RH (non-condensing)					
Storage Humidity	5 ~ 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) • L2 Protocol Tunneling • ERPS
L2 Multicast	• IGMP Snooping • IGMP Snooping Fast Leave • IGMP Proxy Reporting • IGMP Authentication • IGMP Accounting • MLD Snooping • MLD Snooping Fast Leave • MLD Proxy Reporting • L2 multicast filtering
VLAN	• 802.1Q VLAN • Port-based VLAN • 802.1v Protocol-based VLAN • MAC-based VLAN • Voice VLAN • Auto Surveillance VLAN • GVRP • Double VLAN (Q in Q) • Selective Q in Q • VLAN Translation • ISM VLAN (Multicast VLAN) • Asymmetric VLAN • Private VLAN • Super VLAN • VLAN trunking
L3 Features	• IP Interface • Loopback Interface • Null Interface • ARP • Gratuitous ARP • ARP Proxy • IPv6 Neighbor Discovery (ND) • UDP Helper • VRRP / VRRPv6 • RIPv1 / RIPv2 / RIPv3 • OSPFv2 / OSPFv3 • IGMPv1 / IGMPv2 / IGMPv3
L3 Routing	• Equal-Cost Multi-Path Route (ECMP) • Weighted-Cost Multi-Path Route (WCMP) • Default Route • Static Route • Policy-based Route (PBR) • Null Route • Route Redistribution • Graceful Restart (GR) Helper
QoS	• 802.1P Priority Queue Mapping • CoS (Class of Service) • srTCM (Single Rate Three Color Marker) • trTCM (Two Rate Three Color Marker) • Policy Map • Congestion Control • Port-based Bandwidth Control • Flow-based Bandwidth Control

	• Queue Handling • Queue-based Bandwidth Control
Access Control List (ACL)	• MAC Access List • IP/IPv6 Access List • Time based ACL • CPU Interface Filtering
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) • L3 Control Packet Filtering • BPDU Attack Protection • DoS Attack Prevention • DHCP Server Screening • DHCP Client Filtering • NetBIOS/NetBEUI filtering • SSH (Secure Shell) • TLS (Transport Layer Security) • AAA
Management	• Web-based GUI • CLI (Command Line Interface) • Telnet Server/Client • Command Logging • Debug Command • Language Options • SNTP (Simple Network Time Protocol) • DHCP Client • DHCP Auto-configuration • DHCPv6 PD (Prefix Delegation) • DNS Client • TFTP Client • Dual/Multiple Images • Dual/Multiple Configurations • Flash File System • SNMP • MIB • RMON • sFlow • Ping • Traceroute • LLDP (Link Layer Discovery Protocol) • LLDP-MED (Media Endpoint Discovery) • Microsoft® NLB (Network Load Balancing) • SNMP Trap • SMTP (Simple Mail Transfer Protocol) • System Log
OAM	• 802.3ah Ethernet Link OAM • 802.1ag CFM (Connectivity Fault Management) • Y.1731 OAM • Optical Transceiver DDM (Digital Diagnostic Monitoring)