

CMS-3130 Series



HIGHLIGHT

- 16/24x 2.5Gigabit ports
 - 8x 5Gigabit ports
 - 2x 10Gigabit ports
 - 4x 25Gigabit ports
 - IEEE 802.3af/at PoE+ support per port 30W
 - IEEE 802.3bt PoE++ support per port 60W
 - 740/960W PoE power budget with 1x/2x CRPS
 - Up to 400 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	CMS-3130-30EV	CMS-3130-30UXEVR-740
Interfaces		
100/1000/2.5GBASE-T	24	16
100/1000/2.5G/5GBASE-T	—	8
100/1000/2.5G/5G/10GBASE-T	2	
10G/25GBASE-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
PoE Standard	IEEE 802.3af/at, 30W for Port 1 ~ 16 IEEE 802.3bt, 60W for Port 17 ~ 24	
PoE Power Budget	740/960W PoE power budget with 1x/2x CRPS	
Performance		
Switching Capacity	360 Gbps	400 Gbps
MAC Address	32K	
Buffer Memory	32 Mbit	
Jumbo Frame	12 KByte	
Power		
Input	100 to 240 VAC, 50/60 Hz	100 to 240 VAC, 50/60 Hz -36 to -72 VDC
Power Consumption	74.26W	88.9W (PoE Off) 1211.5W (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 250 x 44 mm	440 x 470 x 44 mm
Weight	3.63 Kg	6.54 Kg
Quantity of Fan	2	2
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)