

CMS-1250 Series



HIGHLIGHT

- 8/ 16/ 24 Gigabit ports with 2/ 4 10Gigabit Uplink
 - IEEE 802.3at/ bt PoE+ support per port 30W/90W
 - 240W/ 370W/ 475W PoE power budget per device
 - Up to 200 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	CMS-1250-10	CMS-1250-10P-240	CMS-1250-18	CMS-1250-18B-370	CMS-1250-28	CMS-1250-28B-475
Interfaces						
100/1000/2.5GBASE-T	8	8	16	16	24	24
1000BASE-X, 10GBASE-R	2	2	2	2	4	4
Console Port	1× RJ45 Console					
PoE Specifications						
PoE Port	–	Port 1 ~ 8	–	Port 1 ~ 16	–	Port 1 ~ 24
PoE Standard	IEEE 802.3at, 30W		IEEE 802.3bt, 90W			
PoE Power Budget	240W per device		370W per device		475W per device	
Performance						
Switching Capacity	80 Gbps	80 Gbps	120 Gbps	120 Gbps	200 Gbps	200 Gbps
MAC Address	16K					
Buffer Memory	12 Mbit	12 Mbit	12 Mbit	12 Mbit	16 Mbit	16Mbit
Jumbo Frame	12 KByte					
Power						
Input	100 to 240 VAC, 50/60 Hz					
Power Consumption	13.58W	21.22W (PoE Off) 287.58W (PoE On)	22W	31.45W (PoE Off) 443.84W (PoE On)	39.74W	49.91W (PoE Off) 592.19W (PoE On)
Green Feature						
Energy Efficiency Ethernet	Yes					
Physical Specification						
Enclosure Form Factor	Rack-Mount					
Material	Metal					
Dimensions (W x D x H)	330 x 200 x 44mm	330 x 200 x 44mm	441 x 250 x 44 mm	441 x 250 x 44 mm	441 x 250 x 44 mm	441 x 250 x 44 mm
Weight	1.88 Kg	2.38 Kg	2.97 Kg	3.52 Kg	3.47 Kg	4.17 Kg
Quantity of Fan	2	0	0	3	2	4
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)