



Moso Concord Smart Ethernet Switch Model ZQ303MmGP



Edge appliances, or switches, are generally used in a private network to control the flow of data, link to the PTP Grandmaster for timing, and connect to the radios via a PoE++ injector.

In a traditional private network deployments require multiple edge devices to control the flow of data, providing network-wide timing, and deliver power to each distributed radio. Usually, providing data connectivity, timing, and power requires multiple edge devices as shown below with a PTP passthrough switch (data), PTP Grandmaster (timing), and PoE++ injectors (power).

Moso Concord is a purpose-built smart Ethernet switch for private networks to combine data, timing, and power into a single edge device. It integrates 270Gbps data capacity, a fully capable PTP Grandmaster, and 720Ws of PoE++ power across all Ethernet ports, which simplifies the design, deployment, and management of your private network by eliminating the need for additional hardware.

Hardware Specifications

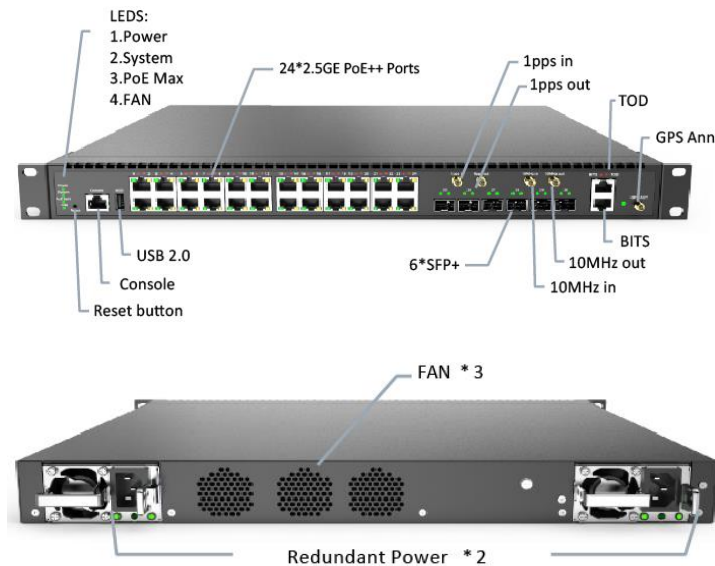
Key Items	Specification
Downlink Port	8 x 2.5GE or 24 x 2.5GE
Uplink Port	2 x SFP+ or 4 x SFP+/SFP28
PoE	24 x PoE++ Port (802.3bt, PoE Budget 720W)
PTP	1588V2 (BC Class B, OC, TC), SynCE and GrandMaster
GPS	L1 + L5
Switch Capacity	270 Gps
Cooling	Smart Fan
Console	1 x RJ45
Dimension	440mm x 280mm x 45mm
Power Supply	2 x AC Input or Hot Swapable

Software Specifications

Key Items	Specification
VLAN	PORT/MAC/IP/Protocol Based, VLAN Mapping, GVRP
L2 Loop	STP/RSTP/MSTP, RRRP
PORT	LACP, PPS Storm Control, 802.3x Rate Control
DHCP	DHCP Client/Server/Snooping/Relay
Multicast	IGMP Snooping V3
ACL/QOS	L2 (Layer 2) ~L4 (Layer 4) Packet Filter, VLAN ACL, 802.1p/DSCP Priority
Security	DHCP Snooping, EAD, BPDU Guard, Root Guard, SSH 2.0, Port Isolation, Portal Authentication
PTP	SyncE, 1588V2 TC/BC/OC: G.8264, G.8275.1, G.8273, G.8262
Management	SNMP/CLI/WEB/YANG/Netconf (Integrate with MosoLabs EMS)

Illustrations

These pictures are for reference only, subject to the actual product.



Environment

Operation	Temperature: 0°C to 45°C
Storage	Temperature: -40°C to 70°C
Operating Humidity Range	5% to 93% RH, non-condensing