

VOYAGER/SW10GG

VoyagerSW10GG brings Cisco's ESS9300 high-bandwidth switch to the Voyager ecosystem.

With the benefits of Cisco IOS-XE, VoyagerSW10GG makes it easier to network high-bandwidth datacenter and cloud applications in remote and austere locations.



KEY FEATURES

- High-bandwidth (10x 10GbE) to process large data volumes
- Cisco IOS XE switching and security for highly secure voice, video, and data communications
- Traffic prioritization of mission-critical data flows
- Voyager Ignition Key (VIK) support for easy deployment and rapid declassification
- Built TrueTactical™ for reliable operation in extreme temperatures, shock, and vibration
- Scalable with simplicity and unified management using Cisco DNA Center



SECURE



PORTABLE



RUGGED

VOYAGER/SW10GG

Specifications



ORDERING INFORMATION

- Part No.: KLAS-VOY-SW10GG

PHYSICAL SPECIFICATIONS

- 7.4" W x 6.3" L x 2" H (188 x 160 x 52 mm)
- 2.9 lb / 1.3 kg

ELECTRICAL SPECIFICATIONS

- 9-36 VDC input
- Power consumption: 20 W without SFPs, max 50 W

PORTS

- 10 x 10 Gbps SFP+ ports
- 1 x 1 Gbps management port
- 1 x Voyager Ignition Key (VIK) port
- 1 x SD card slot
- 1 x RJ45 serial console port
- 1 x USB2.0 Micro-B console port
- 1 x zeroize button

TEMPERATURE

- Operating: -40°C to 50°C (-40°F to 122°F)
- Storage: -40°C to 85°C (-40°F to 185°F)

COMPLIANCE

- NIAP Validation Report: CCEVS-VR-VID11394-2023
- Designed to meet:
 - MIL-STD-810H
 - MIL-STD-461G
 - FCC Part 15 B
 - CE
 - RoHS
 - REACH

SUPPORTED CISCO IOS XE NETWORK ESSENTIALS FEATURES

Layer 2

- IEEE 802.1Q VLAN trunking
- 802.1W Spanning Tree Rapid Reconfiguration
- 802.1ab Link Layer Discovery Protocol (LLDP)
- 802.1s - Multiple Spanning Tree Protocol

- (MSTP) standard compliance
- 802.1s VLAN Multiple Spanning Trees
- 802.1Q tunneling
- 802.3 standard
- Unidirectional Link Detection (UDLD)
- Cisco Discovery Protocol (CDP)
- Unicast MAC filter
- VLAN Trunk Protocol (VTP) v2 and v3
- EtherChannel
- Voice VLAN
- Per-VLAN Spanning Tree Plus (PVST+)
- Rapid STP (RSTP)

Multicast

- IGMPv1, v2, v3 snooping
- IGMP filtering
- IGMP querier

Management:

- Web UI
- MIB
- SmartPort
- Simple Network Management Protocol (SNMP)
- Syslog
- Dynamic Host Configuration Protocol (DHCP) server
- Switched Port Analyzer (SPAN) session (1)
- Full Flexible NetFlow (FnF)
- Network Time Protocol (NTP)
- Battery backed RTC

Security

- Zeroization
- Secure Boot
- Port security
- IEEE 802.1X
- DHCP snooping
- Dynamic Address Resolution Protocol (ARP) inspection
- IP Source Guard
- Private VLAN
- MAC authentication bypass
- 802.1X multidomain authentication
- Storm control - unicast, multicast, broadcast
- Secure Copy (SCP)

- Secure Shell (SSH)
- SNMPv3
- TACACS+
- RADIUS server/client
- MAC address notification
- Bridge Protocol Data Unit (BPDU) guard

Quality of Service (QoS)

- Ingress policing
- Rate limit
- Egress queuing/shaping
- AutoQoS

Layer 2 IPv6

- IPv6 host support
- HTTP over IPv6
- SNMP over IPv6

SUPPORTED CISCO IOS XE NETWORK ADVANTAGE FEATURES

*Network Advantage is an additional license available on request.

IP Routing

- OSPF (V2 and V3)
- RIP (V1 and V2)
- ISIS (for IPv4 and IPv6)
- EIGRP (for IPv4 and IPv6)
- PBR (Policy Based Routing)
- BGP

Virtualization

- VRF-lite

Security

- MACsec-256 (supported on all 10x10G ports simultaneously at line rate)

IP Multicast

- PIM Sparse Mode (PIM-SM)
- PIM dense mode (PIM-DM)
- PIM Sparse dense mode

High Availability

- Bidirectional Forwarding Detection (BFD) echo mode
- HSRP (IPv4 and IPv6)
- VRRP (IPv4 and IPv6)

