

Voyager SW26G

VoyagerSW26G leverages the ruggedized, embeddable Cisco ESS 3300 to provide a custom Gigabit Ethernet switching solution in a Voyager module form factor.

The VoyagerSW26G leverages the Cisco ESS 3300 switch to provide twenty-four 1 Gigabit (Gb) Ethernet access ports and two 10 Gb SFP+ uplink ports in a ruggedized Voyager module form factor package. Eight Ethernet ports provide native Power over Ethernet (PoE+) functionality with software visibility.

The VoyagerSW26G provides next generation IE switch features such as PTP, MACsec and L2/L3 support.

Specifications

Physical

- 18.8cm x 16cm x 5.2cm (W x L x H)
- 1.63 kg

Electrical Specifications

- 10 - 18 VDC Input for operation
- 44 - 57 VDC input for PoE+ must be provided by the Voyager chassis used, where:
 - Voyager 1: provides 10 W of PoE power (48 VDC), sufficient to power one Class 2 PoE phone at 6.25 W each
 - Voyager 2: provides 15 W of PoE power (48 VDC), sufficient to power two Class 2 PoE phones at 6.25 W each
 - Voyager 8: provides 100 W of PoE power (48 VDC), sufficient to power sixteen Class 2 PoE phones at 6.25 W each
- 24 W power consumption without PoE+
- Each PoE+ port is 802.3af and 802.3at capable and are managed via the CLI. Power is delivered in Mode A wiring configuration
- The dual SFP+ ports support 2.5 W modules and are hot swappable
- On-board battery backed RTC is provided when system power is down

Operating Temperature

- -32°C to 60°C w/ conduction cooling
- -32°C to 70°C w/ forced air cooling

Storage Temperature

- -40°C to 60°C

Construction

- Aluminum chassis with integrated cooling for fanless operation

Switch

- Layer 2 Features:
 - MAC Addresses = 8K
 - VLAN IDs = 256
 - IGMP Groups = 1k
 - Switched Virtual Interfaces (SVIs) = 8
 - No. of STP instances = 256
 - ACL (PACL, VACL, RACL) = 3K rules total ACL's & QoS
- Layer 3 Features:
 - IPv4 unicast routes (L2 connected & indirectly connected) = 7680
 - IPv6 unicast routes (IPv6 only) = 1024
 - QoS access control entries (ACE's) = 3K rules total ACL's & QoS
 - Active Class-maps (ingress) = 26
 - Active Class-maps (egress) = 8
 - Wired queues/port = 8 queues
 - Buffer/ASIC = 12 Mb/1.5 MB

Ports

- 24 x 1 Gb Ethernet ports
- 2 x 10 Gb SFP+ uplink ports
- 1 x Console Management port
- 1 x Voyager Ignition Key (VIK) port
- 1 x Zeroize button
- 1 x SD card

Compliance

- Designed to:
 - MIL-STD-810G
 - MIL-STD-461 (RE102, CE102)
 - FCC CFR 47 Part 15 Subpart B Class A
 - IEC 61000-4-2 & IEC 61000-4-5
 - RoHS Directive

Key Features

- Small form factor Cisco IOS switch in Voyager module format
- 24 x 1 Gigabit Ethernet switch ports, with 8 ports (Gi1/3 to Gi1/10) providing PoE+
- 2 x 10 Gigabit SFP+ uplink ports
- Layer 2 switching features including: IEEE 802.1, 802.3 standard, NTP, UDLD, CDP, LLDP, unicast MAC filter, VTPv2, VTPv3, EtherChannel, voice VLAN, PVST+, MSTP, RSTP
- Cable-free internal construction for maximum reliability
- Low power consumption
- Zeroize function to return the switch quickly to a declassified state
- Voyager Ignition Key (VIK) support
- SD card support

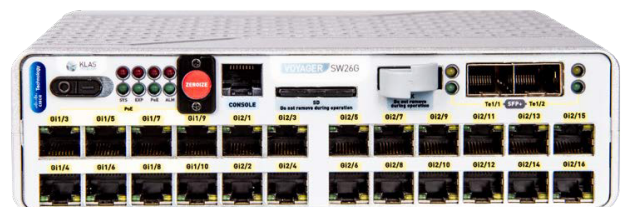


Figure 1: VoyagerSW26G Front View



Figure 2: VoyagerSW26G Rear View