



KLAS TELECOM



VOYAGER SW26G

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CARRY LESS

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.



Figure 1: VoyagerSW26G Front View



Figure 2: VoyagerSW26G Rear View

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

Specification

Physical Specifications

- 7.4" W x 6.3" L x 2" H (188 mm x 160 mm x 52 mm)
- 3.6 lb / 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 70°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