

VOYAGER/SW12GG

Datacenter or cloud workloads use software-defined storage and hyper-converged technology to distribute processing across multiple compute nodes.

This technology provided by Microsoft Azure, Nutanix, VMware vSAN and Red Hat HCI requires high-speed network connectivity between compute nodes.

Now you can move these workloads to a tactical location using Klas' 10 Gbps Ethernet switch.

The only ruggedized 10 Gbps network switch for tactical use in the market.



KEY FEATURES

- Voyager form factor variant of the VoyagerTDC switch, the first 10 Gbps switch for the tactical market
- NIAP CC listed KlasOS Fastnet 12-port switch, providing datacenter-grade switching at the tactical edge
- 121 Gbps backplane for line-speed processing on all twelve ports simultaneously
- 40 Gbps trunk for interconnection with third party switches
- Inter-VLAN routing in hardware at line rate
- 1 x 40 Gbps QSFP+ port for high-speed uplink. Can also operate as 4 x 10 Gbps SFP+ ports using included breakout cable
- Port mirroring, IPFix
- Ansible playbook management supported
- Voyager Ignition Key (VIK) for configuration and storage



Portable



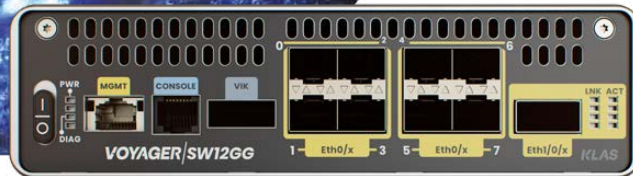
Rugged



Low Power

VOYAGER/SW12GG

Specifications



ORDERING INFORMATION

- Part No.: KLAS-VOY-SW12GG-R1

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:
 - 12 W using 10 G SFP+ DAC
 - 32.5 W with 8 x 10 GBASE-T and QSFP
DAC fitted

PORTS

- 8 x 10 Gbps SFP+ ports
- 1 x 40 Gbps QSFP+ port with breakout cable
for 4 x 10 Gbps SFP+ ports
- 1 x 1 Gbps management port
- 1 x Voyager Ignition Key (VIK) port
- 1 x RJ45 serial console port

OPERATING TEMPERATURE RANGE

- 35°C to 50°C (-31°F to 122°F)

STORAGE TEMPERATURE RANGE

- 40°C to 85°C (-40°F to 185°F)

SWITCHING

Layer 2 features:

- 121 Gbps backplane for wirespeed
switching on all ports simultaneously
- IEEE 802.1D and 802.1Q-compliant
- Supports up to 32768 MAC Address in the
Forwarding Database (FDB)
- 4K active VLANs
- IEEE 802.1w (RSTP) and 802.1s (MSTP)
- Link aggregation (802.1AX/802.3ad) static
and dynamic with LACP
- Fast link/LAG failover
- VLAN trunking
- Port mirroring

Layer 3 features:

- IPv4 inter-VLAN routing
- IPv4 static routing

MANAGEMENT

- SNMP
- Ingress and egress port MIB counters
- sFlow (RFC 3176)
- IPFix
- Ansible playbooks

CONSTRUCTION

- Aluminum chassis with external
fan for cooling

COMPLIANCE

- NIAP Validation Report:
CCEVS-VR-VID11188-2021
- Designed to meet:
 - MIL-STD-810
 - MIL-STD-461
 - FCC CFR 47 Part 15 Subpart B Class A
 - RoHS Directive
 - REACH

