

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 Gbits/s Ethernet switch.

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



KEY FEATURES

- Voyager form factor variant of VoyagerTDC Switch, the first 10 Gbps switch for the tactical market
- 121 Gbps backplane for line-speed processing on all ports simultaneously
- 40 Gbps trunk for interconnection with 3rd party switches
- Inter-VLAN routing in hardware at line rate
- 1x 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

EMEA:

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KLAS

VOYAGER/SW12GG

Specifications



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 four 10 Gbps SFP+ ports
- 1 x 1 Gbps Management port
- 1 x Voyager Ignition Key (VIK) port
- 1 x RJ-45 Serial Console port

OPERATING TEMPERATURE RANGE

- -35°C to 50°C

STORAGE TEMPERATURE RANGE

- -40°C to 85°C

SWITCHING

Layer 2 features:

- 121 Gbps backplane for wirespeed switching on all ports simultaneously.
- IEEE 802.1D and 802.1Q-compliant
- Supports upto 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

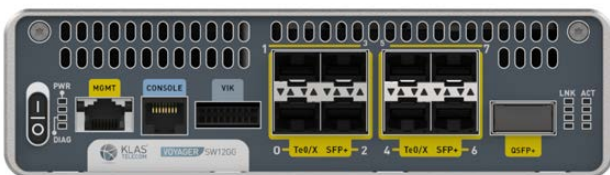
CONSTRUCTION

- Aluminum chassis with external fan for cooling

COMPLIANCE

Designed to meet:

- MIL-STD-810
- MIL-STD-461
- FCC CFR 47 Part 15 Subpart B Class A
- RoHS Directive
- REACH



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