



# 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.



Portable



Rugged



Low Power

COMMUNICATE MORE, CARRY LESS

**KLAS**

# Specifications

## Physical

- 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 for operation
- Power consumption:
  - 12 W using 10 G SFP+ DAC
  - 32 W using 8 x 10 GBASE-T and QSFP DAC fitted

## Temperature

- Operating: -32°C to 50°C
- Storage: -40°C to 85°C

## Management

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

## Construction

- Aluminum chassis with external fan for cooling

## Switch

- 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

## 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

## Compliance

- Designed to meet:
  - MII-STD-810
  - MIL-STD-461
  - FCC CFR 47 Part 15 Subpart B Class A
  - RoHS Directive
  - REACH

# 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

