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
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 802.3x (RSTP) and 802.1s (MSTP)
• Link Aggregation (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

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

MANAGEMENT
• SNMP
• Ingress and egress port MIB counters
• sFlow (RFC 3176)
• IP Fix
• Ansible playbooks