

VOYAGER/ESR

VoyagerESR is the ultimate in Cisco hardware routing and switching in a single Voyager module.

Ideal as a WAN-services module or enclave router, VoyagerESR provides the reliability needed for the harshest environments.

Now available with Klas' Voyager Ignition Key for increased security and simplified deployment.



KEY FEATURES

- Small form factor Cisco IOS router and switch in Voyager module format.
- Cable free internal construction.
- Both the ESR and ESS RTCs are battery backed.
- 2 x Gigabit route ports available as either copper or SFP (order time option)
- 2 x 10 Gigabit SFP+ switch ports
- 10 x Gigabit switch ports, where:
 - ESR: 3 x Gigabit Ethernet copper PoE+ enabled switch ports under Cisco IOS control
 - ESS: 7 x Gigabit switch ports of which four are dual mode auto-selecting copper/SFP. Copper ports are PoE+ enabled and under Cisco IOS control.
- 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
- Voyager Ignition Key (VIK) support on the ESR.

- Zeroize buttons to return the router and switch quickly to a declassified state
- Cisco IOS XE software with support for Cisco SDWAN and Unified Communications
- High speed crypto routing acceleration



Portable



Rugged



Low Power

EMEA:

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KLAS

VOYAGER/ESR

Specifications



PHYSICAL SPECIFICATIONS

- 7.4" x 6.3" x 2" (188 mm x 160 mm x 52 mm)
- 4.1 lb / 1.9 kg
- Fanless design

ELECTRICAL SPECIFICATIONS

- Input 9 – 36 VDC
- Power consumption 25 W (excl. PoE)
- 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

LICENSING

- SLR Smart Licensing available at launch
- Upgrades handled through Cisco Portal using UID
- Honor-based NBL model will apply from March 2020

THROUGHPUT LICENSING

- Three options available:
 - 50 Mbps
 - 250 Mbps
 - > 250 Mbps
- Encrypted and non-encrypted traffic counts towards total
- No throughput restriction on the 4 x 1 Gbps switch ports

PORTS

- 2 x Gigabit route ports (copper or SFP)
- 2 x 10 Gigabit SFP+ switch ports
- 10 x Gigabit switch ports
 - ESR: 3 x Gigabit Ethernet copper PoE+ enabled
 - ESS: 7 x Gigabit switch ports of which four are dual mode auto-selecting copper/SFP. Copper ports are PoE+ enabled
- 2 x Console management ports (ESS/ESR)
- 2 x Zeroize buttons (ESS/ESR)
- 1 x VIK slot (on ESR)
- ESR Port Gi0/1/3 connected internally to ESS Gi1/10, with LED Link & activity indicator on the front panel.

SWITCHING

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, RAACL) = 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

SOFTWARE PACKAGES

- Network Essentials:
 - Security features:
 - VPN, Crypto Tunnels, IPSec, IKEv2, ssl-vpn
 - Baseline features:
 - DHCP, QoS, ACL, EIGRP, IGMP, HTTP, IP Multicast, Radius, TACACS, OSPF, RIP, HSRP
- Network Advantage:
 - DLEP, BGP, MPLS, BFD, Mobile IP, RSVP, RSRB, SDLC, IP SLA, STUN

CONSTRUCTION

- Aluminum chassis

COMPLIANCE

Designed to meet:

- MIL-STD-810
- MIL-STD-461 (RE102, CE102)
- FCC CFR 47 Part 15 Subpart B Class A
- RoHS Directive
- IEC 61000-4-2 & IEC 61000-4-5

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