



# Voyager ECK

VoyagerECK provides familiar and robust Cisco-based routing and switching capabilities while re-maining scalable and compatible with other Voyager chassis options. It combines these networking capabilities with a lightweight carbon fiber chassis, integrated power supply with battery backup and a rugged yet compact VoIP handset.

Harnessing the power of VoyagerVMm, the VoyagerECK provides Gigabit Ethernet connectivity using the same hardware for Red and Black side enclaves in HA/PE or CSfC mode.

The innovative chassis design enables easy access to the handset for secure voice calls while keep-ing other networking components and HA/PE organized and concealed until needed. that suits their needs.



Portable



Rugged



Low Power

COMMUNICATE MORE, CARRY LESS

**KLAS**



Red-side with VoyagerVMm and HAiPE



Black-side with VoyagerVMm and Wi-Fi

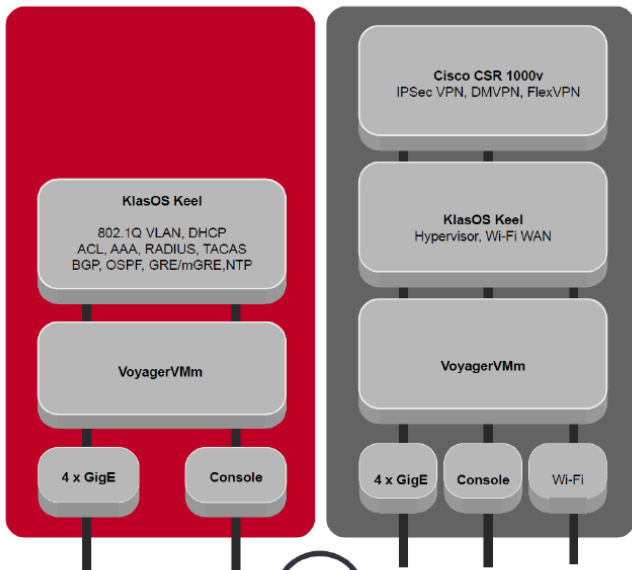
## Voyager VMm



### Key Features

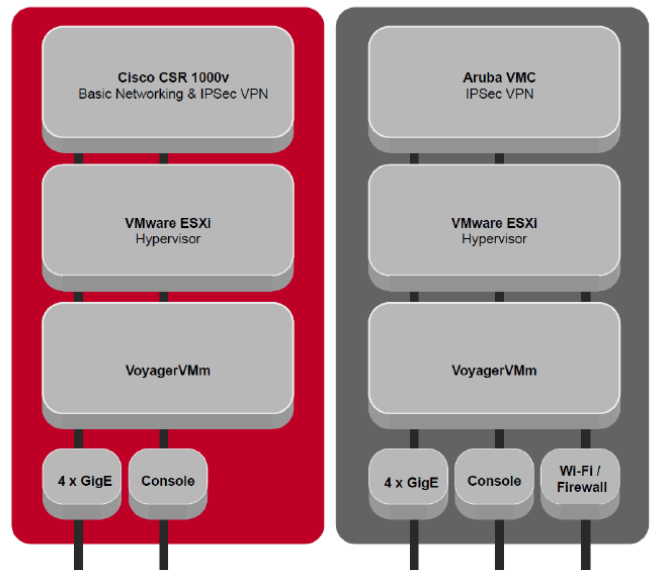
- 3 Front-facing Gigabit ports (1 x PoE) and 1 rear-facing for HAiPE
- Removable configuration and OS storage-age
- Console port for router OS
- Wi-Fi interface on Black side
- Operates like hardware router

#### Red/Black with HAiPE



ViaSat KG250X or KG250XS HAiPE

#### CSfC



# Specifications

## Primary Components

- Cisco routing on black enclave supporting IOS 15.5
- Layer 3 switch on red enclave supporting 802.1x, IGMP, MSTP, SNMP, DHCP
- Support for GFE ViaSat KG-250X or KG-250XS HAIPE
- VoIP handset for red enclave
- Power supply and internal battery

## VoyagerECK Physical Specification

- 14.7" L x 8.9" W x 3.3" H (373 x 226 x 83mm)
- 9.2 lb / 4.1 kg (no KG-250X)
- 12 lb / 5.4 kg (with KG-250X)

## Certification and Approvals

- Approved to operate on DISA's DoD Enterprise Classified Travel Kit Gateway (DECTK-GW)
- Listed on the DISA UC APL and JITC approved
- MIL-STD-810G compliant
- CSfC compliant
- Red Dot Award for Product Design

## Electrical Specifications

- 10-36 VDC Input range
- Supports charging from automobile supply
- 2 hour internal battery power for all components
- PoE on red enclave to support a broad range of VoIP devices

## Temperature Range

- Operating temperature: -10 °C to 55 °C
- Storage temperature: -20 °C to 70 °C

# Key Features

- All-in-one kit for HAIPE-based and CSfC remote secure access
- Integrated Red/Black/HAIPE devices
- Backhaul over Ethernet or public Wi-Fi
- Easy access to VoIP handset through dedicated door for voice calls even when on-the-move
- Removal of Voyager Ignition Key (VIK) renders the device inoperable for additional security
- VIK allows personal portability among systems and enables rapid reconfiguration by an incidental operator
- Supports a range of routing stacks including Cisco, Aruba, Palo Alto and KlasOS Keel

## Red Enclave

- 1 x VoyagerVMm
- HAIPE
  - 1 x KG-250X or KG-250XS HAIPE Device
- KlasOS Keel
  - KlasOS Keel provides routing protocols, DHCP, VLANs, mGRE
  - Similar networking capabilities as KlasOS Tuskar on VoyagerESm.

## Black Enclave

- 1 x VoyagerVMm
- USB Wi-Fi router
- KlasOS Keel
  - Cisco CSR 1000v with Security pack running on KlasOS Keel

## CSfC

- 1 x VoyagerVMm (Red side)
- 1 x VoyagerVMm (Black side)
- VMware ESXi Hypervisor
  - Cisco CSR 1000v on Red side with Basic Networking and IPSec VPN
  - Aruba VMC on Blackside with IPSec VPN

## VoyagerVMm Specifications

- Processor
  - 5th Gen Intel® Dual-Core™ i3-5010U
  - (1.8GHz); 8 GB DDR3 RAM
- Ports
  - 1 x Console
  - 4 x Gigabit Ethernet ports (1 PoE)
    - 3 x Front Gigabit Ethernet ports
    - 1 x Rear Gigabit Ethernet port
  - 2 x USB 3.0
  - 1 x DisplayPort++
  - 1 x VIK
  - 1 x SSD slot
- USB Wi-Fi router support
  - Wi-Fi 802.11 with Full Security