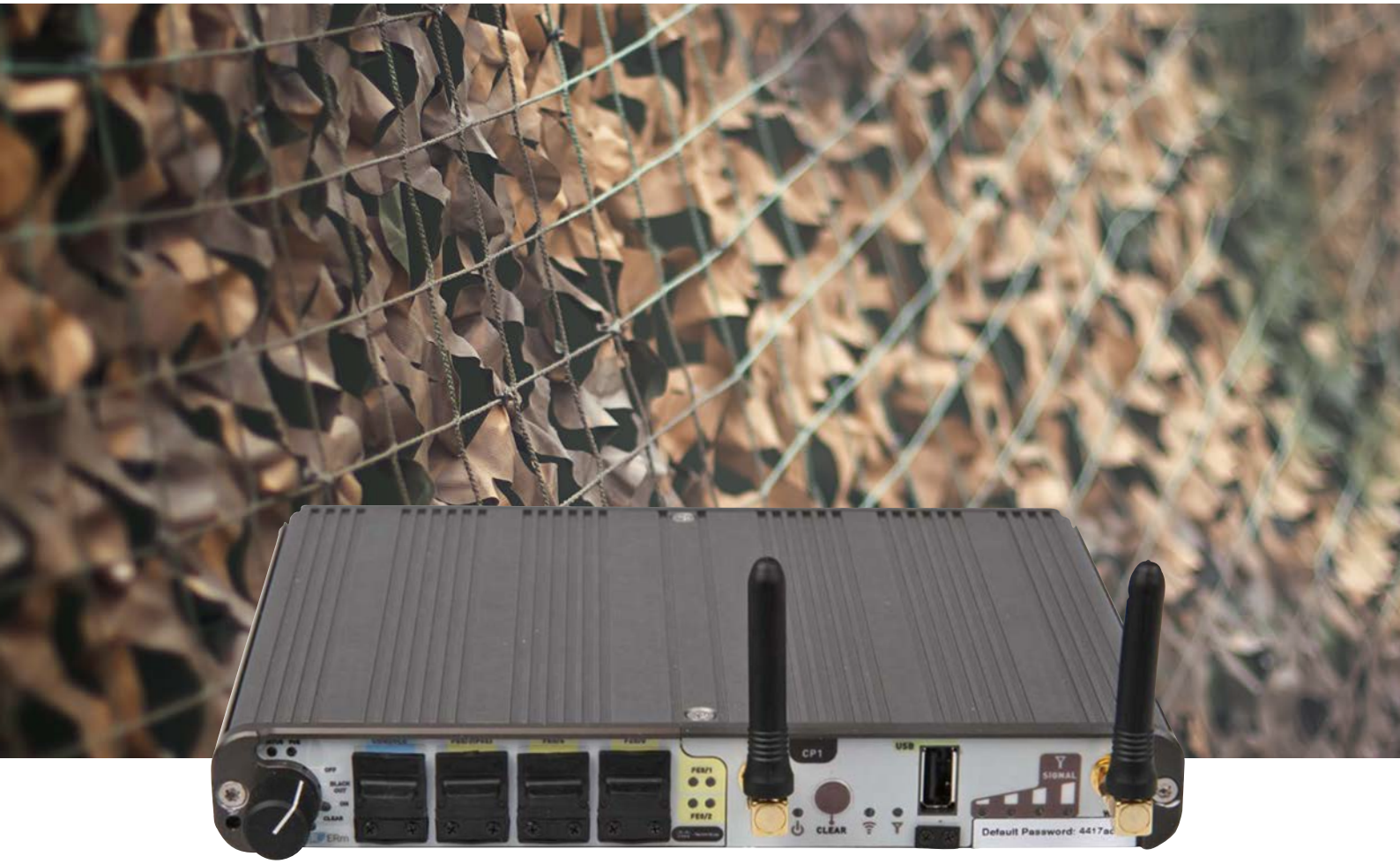
Interoperability Specialists

CISTECH SOLUTIONS



Voyager m-Series

Since its launch in 2012, Voyager has become the standard rugged, deployable communications solution for many US and partner nation special operations, traditional military, and first responder organisations. With a wide range of low SWaP, common form-factor network modules, including Cisco-based routing and switching, compute, cellular and radio integration, Voyager's scalability has proven ideal for supporting small to large team deployments using the various Voyager chassis options.

Measuring just half the height of a standard Voyager module, m-Series provides the same technology with lowered SWaP while remaining compatible with the standard Voyager form factor. The m-Series increases the flexibility and scalability of the Voyager system and users can better tailor its features to meet their requirements.

Communicate more, and carry even less with Voyager m-Series.

COMMUNICATE MORE, CARRY LESS

KLAS TELECOM

Specifications

Common
(unless otherwise stated)

Size
18.8 × 14.5 × 2.6 cm
(W × L × H)

Operating Temperature
-25°C to +60°C

Compliance
- MIL-STD-810G
- IEC 60529
- MIL-STD-
- 461E
- FCC Part 15B

Power
10-18VDC Input

Voyager ERm

Weight
0.8 kg

Ports
1× RJ-45 Console
4× Fast Ethernet
1× USB

Electrical
48VDC input for PoE; 15 W power consumption

Router
Cisco 5915 ESR (FIPS 140-2 level 1)

Management
Cisco IOS; SNMP v1, v2, v3

Wi-Fi
802.11n

Cellular
- 4G LTE
- 3G EVDO
- WiMAX
- HSPA+
- LTE/ HSPA+
- Optional modules available

Voyager ESm

Weight
0.8 kg

Ports
1× RJ-45 Console
4× Fast Ethernet
1× Gigabit Ethernet
2× USB
1× FXS
1× VIK

Electrical
48 VDC input for PoE; 15 W power consumption

KRTv4 Switch
- Auto-sensing 10/100 BaseT; Cisco Discovery Protocol VLAN; IEEE 802.1Q port VLAN; Multiple Spanning Tree Protocol; Voice & Data VLAN; IEEE 802.1x MAC authentication; Layer 3 features include G.729 transcoding
- NHRP
- Multipoint GRE/DMVPN
- OSPF

Removable Storage
Voyager Ignition Key (VIK)

Management
KlasOS 5; SNMP v1, v2, v3

Voyager VMm

Weight
1.0 kg

Operating Temperature:
-30°C to +50°C

Ports
2× Console
2× Gigabit Ethernet
2× USB 3.0
1× DisplayPort++
1× VIK
1× SSD

Electrical
20W power consumption

CPU
- 5th Gen Intel® Dual-Core™ i5-5350U (1.8GHz); 32 GB DDR3 RAM; Intel vPro / IPMI; Intel
- Virtualisation Technology; IPMI management

Storage
Samsung 850 EVO 250 GB mSATA SSD; Up to 540 MB/s sequential reads; Up to 520 MB/s sequential writes

Voyager LMRm

Weight
1.0 kg

Ports
4× RJ-45 E&M PTT ports
Ethernet uplink and downlink
1× Console
Configuration options for polarisation of PTT (M) and squelch (E)

VOIP Protocols
- SIP 2.0
- G.711
- G.726
- G.729A
- G.723.1 (5.3/6.3kbps MP-MLQ)
- G.729 Annex A (8kbps CS-ACELP)
- G.726 (16-40kbps ADPCM)
- G.727 (16-40kbps E-ADPCM)
- G.711 (64kbps PCM) u-law or A-law

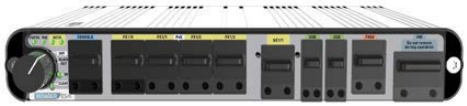
m-Series Key Features

- Half the height of standard Voyager modules at 18.8 cm wide × 14.5 cm deep × 12.6 cm high
- Low power consumption
- Cisco-based technology
- Lightweight extruded aluminum construction
- Data & power backplane to simplify cabling

VoyagerERm router module

- Embedded Cisco 5915 ESR
- Full Cisco IOS support including routing, VPN, Call Manager Express, DLEP radio integration & WAAS Express WAN Acceleration

- Options
  - VoyagerERm-CP1: Cradlepoint IBR600NM wireless module with Wi-Fi LAN/WAN, 3G/LTE cellular client
  - VoyagerERm-CP2: Cradlepoint IBR600P with two external modem antennas and two 2.4 GHz 802.11n Wi-Fi antennas with integrated 3G/4G modem
  - VoyagerERm-NW: No wirelss module. A blanking plate is provided
  - VoyagerERm-WR: Persistent Systems Wave Relay mesh radio



VoyagerESm switch module

- Embedded Klas Layer 3 switch
- Port security, 802.1x, STP, IGMP, SNMP
- Voyager Ignition Key (VIK) functionality

VoyagerVMm compute module

- Intel Processor
- Supports Virtualization
- Platform for Riverbed WAN Acceleration, Twisted Pair WAVE, Cisco IPICS, Cisco 5921 Software Router

VoyagerLMRm radio module

- E&M interface module for Land Mobile Radio integration
- Supports Harris, Motorola systems
- Multicast support for integration with Twisted Pair WAVE, Cisco IPICS
- Voyager Ignition Key (VIK) functionality

CISTECH SOLUTIONS

Phone 1300 300 340
Email sales@cistechsolutions.com.au
Web www.cistechsolutions.com.au

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