



KLAS TELECOM



VOYAGER 8

Tactical Radio Integration Kit

COMMUNICATE MORE
CARRY LESS

The Voyager Tactical Radio Integration Kit (TRIK) extends the Voyager 8 system's capabilities to support a range of soldier and backpack radios. Supporting Harris, Thales and L-3 devices, it provides the ideal bridge between IP and radio worlds, without compromising on size, weight and power (SWaP).

The Voyager 8 transit case and chassis system provide lightweight, portable solutions for tactical radio networking. With a built-in UPS and airline carry-on form factor, it is the ideal way to transport and operate your network discreetly.

The flexibility to deliver route, switch, compute, and storage along with seamless tactical radio integration makes Voyager 8 the deployable networking system of choice.



Harris 117G

Twin L3 Tactical
ROVER-e ISR

Combined AR-20
Amp and either 148
or 152A

Twin Thales AN/
PRC-148 JEM

Twin Harris Falcon
III AN/PRC-152A

VoyagerLMRm &
VoyagerVMm as
LMR gateway

**TRIK system with a range of radio, ISR,
LMR and compute resources**

Supported Devices:



Harris Falcon III AN/PRC-117G(V)I(C) Bracket

Harris Falcon III AN/PRC-117G(V)I(C) multiband networking manpack radio bracket for use in the Voyager 8 chassis.

[Part No.: KLAS-VOY-MRB]



Voyager Module Battery Bracket

Connects up to two ALI-130 batteries and/or a 12 VDC input to the radio brackets.

[Part No.: KLAS-VOY-MBB]



L3 Tactical ROVER-e ISR Bracket

Twin L3 Tactical ROVER-e ISR radios bracket for use in the Voyager 8 chassis.

[Part No.: KLAS-VOY-RB1]



Thales AN/PRC-148 JEM Bracket

Twin Thales AN/PRC-148 JEM radios bracket for use in the Voyager 8 chassis.

(Part No.: KLAS-VOY-RB2)



Harris Falcon III AN/PRC-152A Bracket

Twin Harris Falcon III AN/PRC-152A radios bracket for use in the Voyager 8 chassis.

(Part No.: KLAS-VOY-RB3)



Harris Falcon III AN/PRC-152A + Amplifier Bracket

Combination of a Harris Falcon III AN/PRC-152A radio with either an AR modular AR-20 or AR modular AR-20B amplifier bracket for use in the Voyager 8 chassis.

(Part No.: KLAS-VOY-RB4)



Thales AN/PRC-148 JEM + Amplifier Bracket

Combination of a Thales AN/PRC-148 JEM radio with either an AR modular AR-20 or AR modular AR-20B amplifier bracket for use in the Voyager 8 chassis.

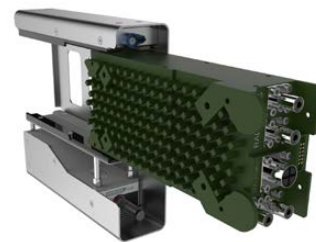
(Part No.: KLAS-VOY-RB5)



Thales MBITR2 / ViaSat BATS-D Handheld Link 16" Bracket

Thales MBITR2 and ViaSat BATS-D Handheld Link 16" radios in a bracket for use in the Voyager 8 chassis.

(Part No.: KLAS-VOY-RB7)



Tricom TCR-MBA-50 WB Amplifier

Tricom TCR-MBA-50 WB wideband/multiband RF amplifier bracket for use in the Voyager 8 chassis.

(Part No.: KLAS-VOY-RAB)

Specifications

Transit Case

Size

- 22" W x 14" D x 9" H (559 mm x 356 mm x 229 mm)

Weight

- 8 lb / 3.6 kg

Construction

- Aerospace-grade, multidirectional carbon fiber for maximum strength
- Hybridized with glass on inside surfaces
- Milled aluminum handles
- O-ring seal around front and rear lids
- Automatic pressure equalization valve

Handles and Wheels

- Retractable extension handle
- Handles on front and rear lid
- Handles on top and bottom of case
- Dual 50 mm cast aluminum wheels

Standards

- IP65-rated case
- MIL-STD 810G compliant

Chassis

Size

- 19" W x 12.4" D x 8.8" H (482 mm x 316 mm x 223 mm)

Weight

- 12 lb / 5.4 kg (excluding batteries)
- Each standard BB-2590 battery weighs 2.8 lb / 1.27 kg (Lower capacity BB-2590 batteries available for IATA compliance)

Construction

- Aluminum sheet metal
- Milled aluminum latches
- Eight (8) Voyager network module slots (for use with or without Voyager 1 battery attached to modules)

Operating Temperature Range

- 0°C to 50°C

Storage Temperature Range

- -10°C to 85°C

Input Power

- 10-36 VDC up to 400 W (25 Amp maximum)
- 90-264 VAC up to 400 W

Output Power

- 8 x 12 VDC outputs in backplane to power modules
- 8 x 48 VDC outputs in backplane for PoE support
- Optional 2 x AC outputs available when AC input is present (these outlets are not filtered. Please check the powered device for voltage range before using)
- Optional 2 x 12 VDC outputs

UPS

- 2 x BB-2590 batteries (available in high capacity for extended operation or lower capacity to comply with IATA regulations)
- Provides 414 Wh energy of backup

Harris Falcon III AN/PRC-117G Radio Bracket

- Part No: KLAS-VOY-MRB
- Size: 7.7" W x 8.6" L x 3.7" H (195 x 218 x 95 mm)
- Weight: 1.54 lb / 0.7 kg
- DC Input 9-18 V; Max power consumption 40W

L3 Tactical ROVER-e Radio Bracket

- Part No: KLAS-VOY-RB1
- Size: 7.4" W x 8.3" L x 2" H (188 x 210 x 52 mm)
- Weight: 3.3 lbs / 1.5 kg
- DC Input 10-12.6 VDC compatible with ALI-130 battery
- Powered from Voyager 8 12 V backplane

Thales AN/PRC-148 JEM Radio Bracket

- Part No: KLAS-VOY-RB2
- Size: 7.4" W x 6.6" L x 2" H (188 x 169 x 52 mm)
- Weight: 1.54 lb / 0.7 kg
- DC Input 10-12.6 VDC compatible with ALI-130 battery
- Powered from Voyager 8 12 V backplane

Harris Falcon III AN/PRC-152A Radio Bracket

- Part No: KLAS-VOY-RB3
- Size: 7.4" W x 6.6" L x 2" H (188 x 169 x 52 mm)
- Weight: 1.54 lb / 0.7 kg
- DC Input 10-12.6 VDC compatible with ALI-130 battery
- Powered from Voyager 8 12 V backplane

Harris Falcon III AN/PRC-152A Combination Bracket

- Part No: KLAS-VOY-RB4
- Size: 7.4" W x 8.3" L x 2" H (188 x 210 x 52 mm)
- Weight: 2.2 lb / 1 kg
- DC Input 10-12.6 VDC compatible with ALI-130 battery
- Powered from dual ALI-130 batteries when used with KLAS-VOY-MBB
- Radio only powered from Voyager 8 12 V backplane

Thales AN/PRC-148 JEM & AR20/AR20B Amplifier Bracket

- Part No: KLAS-VOY-RB5
- Size: 7.4" W x 8.3" L x 2" H (188 x 210 x 52 mm)
- Weight: 2.2 lb / 1 kg
- DC Input 10-12.6 VDC compatible with ALI-130 battery
- Powered from dual ALI-130 batteries when used with KLAS-VOY-MBB
- Radio only powered from Voyager 8 12 V backplane

MBITR 2 / ViaSat BATS-D Handheld Link 16" Bracket

- Part No: KLAS-VOY-RB7
- Size: 7.4" W x 6.3" L x 2" H (188 x 160 x 52 mm)
- Weight: 1.7 lb / 0.8 kg
- DC Input 10-12.6 VDC compatible with ALI-130 battery
- Powered from Voyager 8 12 V backplane

Tricom TCR-MBA-50 WB Bracket

- Part No: KLAS-VOY-RAB
- Size: 7.4" W x 8.3" L x 2" H (188 x 210 x 52 mm)
- Weight: 1.3 lb / 0.6 kg
- DC Input 12-32 VDC
- Powered from dual ALI-130 batteries
- Not powered from Voyager 8

Voyager Module Battery Bracket

- Part No: KLAS-VOY-MBB
- Size: 7.4" W x 1.4" L x 2" H (188 x 35 x 52 mm)
- Weight: 0.55 lb / 0.25 kg
- DC Input 12 VDC
- Powered from dual ALI-130 batteries and/or 12 VDC input