



# KLAS TELECOM



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## VOYAGER 158

The Voyager 158 chassis and transit case provides a portable solution for tactical environments.

The Voyager 158 consists of a chassis and transit case containing the Voyager 158 Sled with support for a Harris AN/PRC-158 Multi-Channel Manpack Radio along with up to two AR Modular RF AR-50 amplifiers and two AR Modular RF AR-RBT Bias-T modules. Power is supplied by the Voyager 158 chassis which can be connected to an AC or DC power source and has a built-in UPS. The chassis also provides two Voyager module bays for further expansion.

Voyager 158 systems can be stacked to form a command and communications post. The Voyager 158 chassis can also be removed from the transit case and installed in a standard 19" rack for maximum flexibility.



Figure 1 Voyager 158 Front and Rear

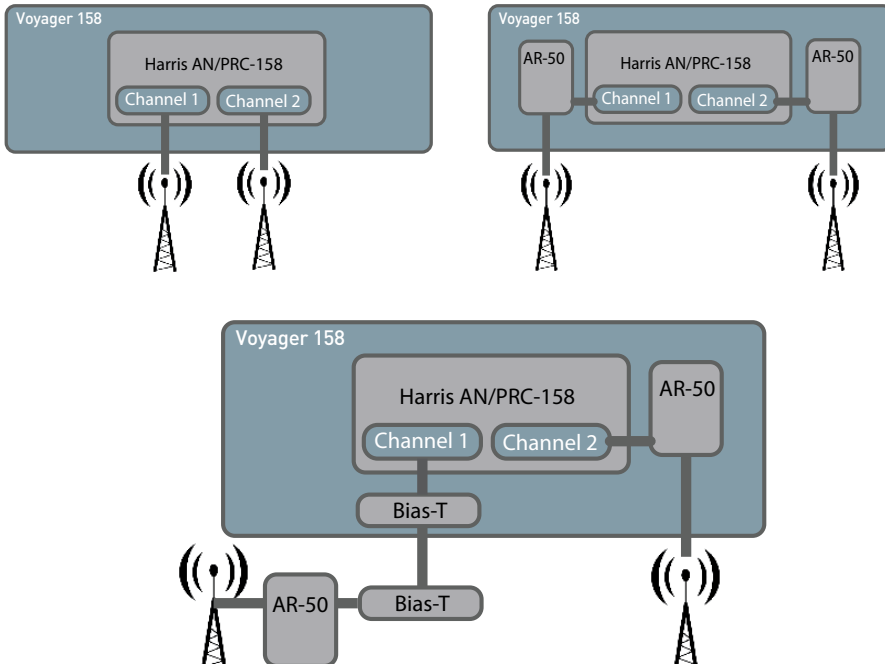


Figure 2 Sample Network Scenarios for Voyager 158

## Key Features:

- Voyager 158 transit case with sled for Harris 158 Multi-channel Manpack radio
- Support for two AR Modular RF AR-50 band-switching RF booster amplifiers
- Support for two AR Modular RF AR-RBT Bias-T modules
- Two Voyager module bays also available
- Built-in UPS

## Specification

### Physical Specifications

- 22.5" x 18.1" x 9.3" ( 572.4 mm x 460.7 mm x 237 mm)
- Case and chassis weight: 46.7 lb / 21.2 kg (excluding radio, amplifiers, bias-T and batteries)
- Chassis weight: 32 lb / 14.5 kg (excluding case, radio, amplifiers, bias-T and batteries)

### Electrical Specifications

- 12-36 VDC input up to 600 W with MIL-STD 1275D filter
- 90-264 VAC input up to 600 W, 50-400 Hz
- Conditioned power provided to Harris 158 radio, AR-50 amplifiers, Bias-T and Voyager modules
- 2 x AC outputs at rear when AC input is present
- Uninterrupted failover between AC, DC and battery
- Space for 2 x BB-2590 batteries (available separately)
- Provides 414 Wh energy of backup

### Construction

- Aerospace-grade, carbon fiber monocoque built from single mold structure for maximum strength
- O-ring seal around front and rear lids
- Grab handles on top and bottom of case
- Retractable extension handle
- Lightweight aluminum chassis with integrated PSU

### Rackmountable Chassis

- Voyager 158 chassis may be removed from case for rackmount installations
- 5U 19-inch rack

### Compliance

- Designed to MIL-STD-810G
- CE / FCC
- IP65- rated case

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