# Voyager 158

The Voyager 158 consists of Voyager 8+ 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 8+ chassis which can be connected to an AC or DC power source and has a built-in UPS. The chassis also provides space for two Voyager modules to add RoIP, compute or routing.

Portable          Rugged          Low Power

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# Specifications

## Physical Specifications
- 18.8" x 22.5" x 10.1"  (478 x 571 x 257mm)
- 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)

## 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
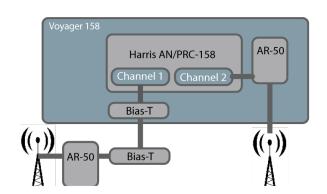- 5U 19-inch rack

## Electrical Specifications
- 21-34 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)
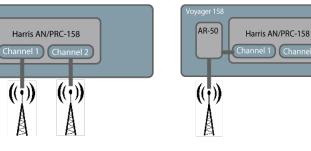- Provides 414 Wh energy of backup

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

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# Key Features

- Voyager 8+ UPS/case with sled for dual-channel Harris Falcon IV AN/PRC-158 manpack radio
- Support for 2 x Modular RF AR-50 band-switch RF booster amplifiers
- Support for 2 x Modular RF AR-RBt Bias-T modules
- Space for 2 x Voyager modules
- Voyager 158 systems can be stacked to form a command and communications post
- Chassis can be removed from the transit case and installed in a standard 19" rack for maximum flexibility

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