

# JOINT ALL-DOMAIN GATEWAY ROUTER

Providing tactical edge warfighters with a one-box solution in the Voyager form factor



The Joint All-Domain Gateway Router (JAGR) provides the tactical edge warfighter with a one-box solution that meets their critical tactical data link communications requirements for LOS and BLOS Link 16 and Multi-TDL operations. Coupled with the Joint Range Extension Gateway (JRE-GW) software, JAGR supports multi-network operations, digital command, control and communications for air, ground and maritime forces in a compact, ruggedized, rapid deployable, SWaP form factor.

## Highlighted capabilities

- **Digital C2** with DCSAR, DACAS, and air control expedites the joint kill chain process
- **High Track Data Performance** and capacity with data loop protection ensures data is timely and accurate
- **Robust Data Forwarding and Translation Capability** allows data sharing between disparate data link networks
- **Remote System and Link Management** and server-client relationship adds survivability, redundancy, and reach
- **Advanced Data Link Filtering** with remote and track-centric filters conserve critical system and network resources
- **Multi and Remote Terminal Hosting** with transparent gateway and emulation functionality provides numerous hosting options
- **Tactical Data Link (TDL) Management** and Monitoring Capability provides insight into TDL network performance
- **Customized Radio Input/Output (I/O) Modules** provide easy access to radio ports and controls

## Internal processor

- Intel i7 CPU
- JRE software (optional)

## Radios (optional)

- Link 16 TacNet Tactical Radio (TTR)
- PRC-117G (VHF/UHF Voice, ANW2, SRW, SATCOM, IW)
- BATS-D

## Transit case

- Retractable extension handle
- Handles on front and rear lid
- Handles on top and bottom of the case
- Dual heavy-duty plastic wheels
- Carbon fiber

## Potential users

- ASOC Gateway, SOCOM, MDTF, TACP, ADAM/ALI, small boats, fielded testers, tactical transport aircraft/helicopters, ground stations

## Front panel control (provides full access to both radios)

- TTR controls
  - On, Off, Standby
  - Transmit Inhibit
  - Zeroize
  - Crypto Fills
  - J-Voice
- PRC-117G controls

## Dimensions/weight

- Height: 10.1" (25.65 cm)
- Width: 22.5" (57.10 cm)
- Depth: 18.8" (47.75 cm)
- Weight: 47 lbs (21.25 kg)  
69 lbs (31.29 kg) with TTR and PRC 117 (excluding batteries)
- Each standard BB-2590 battery weighs 2.95 lbs/1.34 kg (lower capacity BB-2590 batteries available for IATA compliance)

## Power

- DC input: 20-35 VDC
- AC input: 90-264 VAC

## Standards

- IP65-rated case MIL-STD-10H
- MIL-STD-461G

## Computer

- KLAS-VOY-VMm I7R1 Small Form Factor
- JRE software pre-installed (optional)

## TTR (optional)

- Antenna A
- Antenna B

## BATS-D (optional)

## Ethernet

- 4 port 10/100/1000 ethernet
  - PRC-117 G (optional)
- Data port
- Antenna SATCOM (244-318 MHz)
- Antenna LOWBAND (30-512 MHz)
- Antenna Highband (225-2000 MHz)

## Additional features

- GPS with serial output via USB
- 1 PPS for ETR

## Computer I/O

- USB (JREAP-A)
- Ethernet (JREAP-C)
- HDMI (Video)

## Construction

- Aluminum sheet metal
- Milled aluminum latches
- Eight (8) Voyager Network module slots

The compact design and flexible power options make JAGR a rapidly deployable gateway solution ideal for all mobile platforms.



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