

Joint All-Domain Gateway Router (JAGR)

Providing tactical edge warfighters with a one-box solution



JAGR provides the tactical edge warfighter with a one-box solution to meet all essential data link and Intelligence, Surveillance and Reconnaissance (ISR) communication requirements. JAGR's multi-channel and multi-band networking capabilities empower users with transformational communications flexibility in a very low size, weight and power (SWaP) and easily deployable unit.

JAGR incorporates both Line-of-Sight (LOS) and Beyond-Line-of-Sight (BLOS) communications capabilities that include Link 16 data and voice VHF/UHF voice, ANW2C, SRW, SATCOM, IW, MUOS and DAMA. With External Time Reference (ETR) capability for Link 16, JAGR can meet the Link 16 Network's critical timing requirements using a non-SAASM GPS receiver.

Combined with Joint Range Extension (JRE) software running on an internal i7 CPU, JAGR can seamlessly provide multi-network air and ground control within the battlespace while simultaneously enabling radio control and data forwarding between networks.

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

Potential Users

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

Internal Processor

- Intel i7 CPU
- JRE software (optional)

Radios (optional)

- PRC-117G (VHF/UHF Voice, ANW2, SRW, SATCOM, IW, MUOS)

Link-16 (optional)

- Battlefield Awareness & Targeting System (BATS-D)
- (BATS-D Vehicular Amplifier (BVA))

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

Front Panel Control

- 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)
58 lbs (31.29 kg) with BATS-D 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)

Standards

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

Computer

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

Power

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

Contact

800.765.3197
jreinfo@saic.com



jre-gw.com



SAIC®