



Tactical Integrated Gateway Radios (TIGR) 3U

TIGR 3U provides Tactical Edge Warfighters with a one box solution to meet all essential data link and ISR communication requirements. TIGR's multi-channel and multi-band networking capabilities empower users with transformational communications flexibility in a very low SWaP and easily deployable unit.

TIGR 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 and DAMA. With ETR capability for Link 16, TIGR can meet critical timing requirements for the Link 16 network using the DAGR GPS receiver.

Combined with Joint Range Extension (JRE) software running on an internal i5 Processor, TIGR can seamlessly provide multi-network air and ground situational awareness and command and control within the battlespace, while simultaneously enabling radio control and data forwarding between networks, including VMF.

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

Internal Processor

- Intel i5 Processor
- JRE Server Software (Optional)

Radios

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

Transit Case

- 19" 3U with Shock Isolators
- Roller Wheels on Case Covers
- Slide-out Internal Case for Easy Maintenance

Additional Features

- DAGR (GPS)
- 1PPS for TTR

Potential Users

- ASOC Gateway, SOCOM, TACP, ADAMS/ALI, Small Boats, Field Testers, Tactical Transport Aircraft/Helicopters, Ground Stations

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Front Panel Controls (provides full access to both radios)

- Master Power On/Off
- TTR Controls
 - TTR On, Off, Standby
 - Transmit Inhibit
 - Zeroize
 - Crypto Fills
 - J-Voice
- LED Inhibit
- PRC-117G Controls

Dimensions - 3U

- Height: 9.34" (23.7 cm)
- Width: 22.47" (57.1 cm)
- Depth: 30" (76.2 cm)
- Weight: 80 lbs (36.3 kg)

Power

- DC Input: 10-36 VDC
- AC Input: 90-264 VAC, 47-63 Hz, 400 W

Computer

- Removable 1TB SSD (Option w/JRE Server)

Rear Demarcation Panel (provides patching for all radio, Ethernet, DAGR and computer connections)

TTR

- Antenna A
- Antenna B

Ethernet

- 4 port 10/100/1000 Ethernet

PRC-117G

- Data Port
- Antenna SATCOM (244-318 MHz)
- Antenna LOWBAND (30-512 MHz)
- Antenna HIGHBAND (225-2000 MHz)

DAGR

- Power Output
- Serial Input
- Serial Output
- 1PPS Input

Computer I/O

- USB Sync Cable (JREAP-A)
- Serial (JREAP-B)
- Ethernet (JREAP-C)
- USB
- HDMI (Video)

Contact

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JRE-GW.COM

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