

TACTICAL INTEGRATED GATEWAY RADIOS (TIGR)

ENGILITY
Engineered to Make a Difference

TIGR 7U



TIGR 7U 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, DAMA and SADL/EPLRS. With dual ETR capability for Link-16 and SADL/EPLRS, TIGR can meet critical timing requirements for these networks 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 & 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
- SADL (11xy, 11z)
- PRC-117G (ANW2, SRW, SATCOM, LOS)

TRANSIT CASE

- 19" 7U with Shock Isolators
- Slide-out Internal Case for Easy Maintenance

ADDITIONAL FEATURES

- DAGR (GPS)
- Dual 1PPS Output for Link 16 and SADL



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Technical Specifications:

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

POWER

- DC Input: 10-36 VDC
- AC Input: 90-240 VAC, 600 W

DIMENSIONS - 7U

- Height: 16.34" (41.5 cm)
- Width: 22.47" (57.1 cm)
- Depth: 30.0" (76.2 cm)
- Weight: 130 lbs (59.0 kg)

DEMARICATION PANEL (includes the following 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)

SADL

- Antenna (420-450 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)



For more information,
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