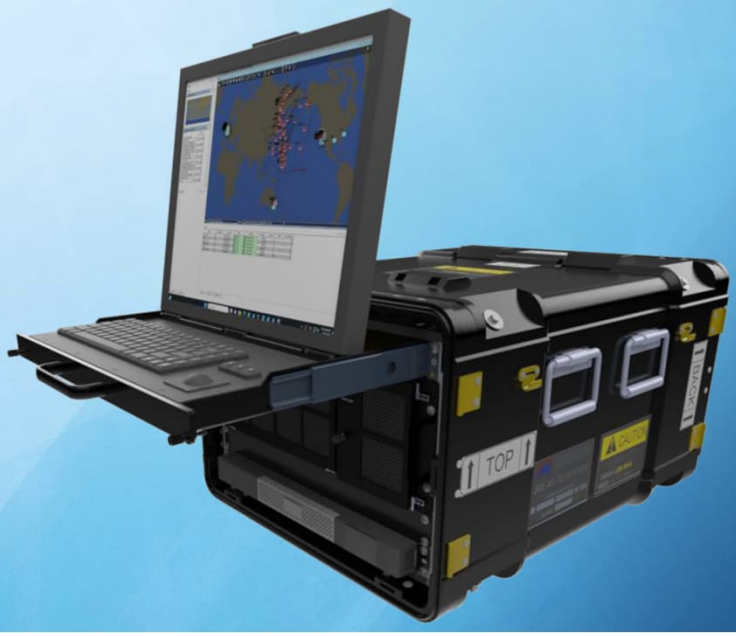
JOINT RANGE EXTENSION (JRE) 4TH GENERATION (4G)



The latest in Joint Range Extension (JRE) Gateway hardware, the 4G rack mount solution will surpass your needs and carry you into the future

JRE 4G 7U Transit Case	4U Chassis Assembly 1U 8-Port Switch/KVM Assembly 1U Uninterruptable Power Supply (UPS) 120 or 240 Volts 1U Keyboard Monitor
OS (Multiple) Typical	Microsoft Windows or Red Hat Enterprise Linux
Single Board Computers (SBC) x 2	Independent Single Board Computers, Quad-Core Xeon Processors, 3.8GHz, 64, Bit, 32GB RAM, DDR4-2400, 3 Gigabit Ethernet LAN ports, Intel Integrated Graphics, Display Port, USB 3.0, TPM 2.0
Solid State (SSD) Hard Drives	4TB per SBC (Expandible to a total of 2 Drives)
DVD-ROM Optical Drive x 2	DVD-RW (one per SBC)
GPS Module	SSR-6T GPS Timing Receiver
Redundant Power Supplies	2 X 1000W 120/240V auto sensing
External Time Reference	ETR Card, Pulse Shaper, Dual Output

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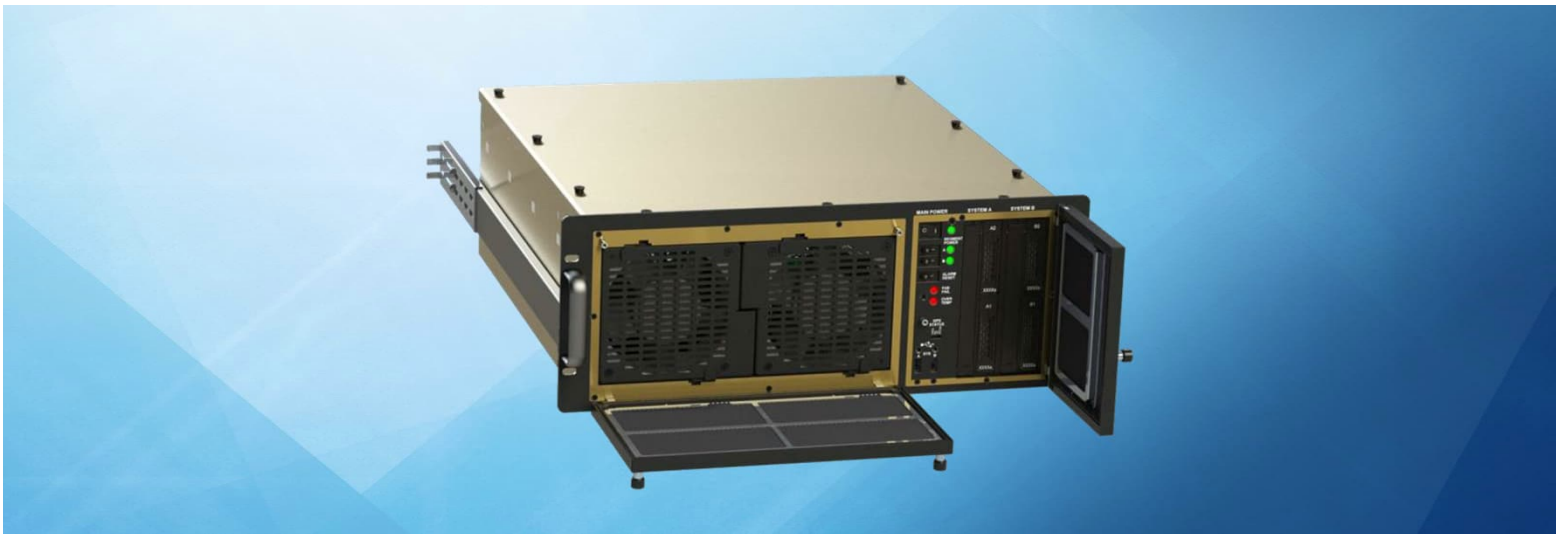

JRE 4G hardware supports up to 9 interface cards connected to the PCIe bus. Combinations of the following interface cards will vary based on Mission Requirements.

Interfaces for JREAP-B Serial Links along with various radio interfaces supporting UHF, SHF SATCOM, and UHF Demand Assigned Multiple Access (DAMA) networks utilized for JREAP-A and Satellite TDL-J (STJ).

- RS-422/449 PCIe Card; 4-port, PCIe Serial Interface module that supports RS-422 protocols.
- RS-232 PCIe Card; 4-port, PCIe Serial Interface module that supports RS-232 protocol.
- Asynchronous RS-232; 4/8 port, PCIe Serial Interface module that supports Asynchronous serial protocol.

Interfaces for MIDS/JTRS (Platform A) radios and host systems and certain navigation sources if required.

- 1553 PCIe card; Dual Channel MIL-STD-1553 compliant component, using dual redundant busses to provide fail over protection.

Link 11 Interface Cards providing 4 port interfaces with other TDL systems and modems utilizing MIL-STD-6011 protocol.

- ATDS or NTDS Data Terminal Set (DTS); up to 2 TDL-A cards can be used to interface with the JRE Software; up to 2 TDL-B cards can be used to interface with the JRE Software.

Enhanced Video Cards to support multiple displays.

- Video card outputs video to the monitor via the JRE System B and KVM, utilizing a Full-Size Display Port cable.

Network Interface Cards (NIC).

- Utilized to support multiple Mesh Net Communications for JREAP-C and CoT based networks, MUOS and multiple IP based Link-16 Terminal Hosting (Platform I, J).

Contact

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JRE Gateway

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