



PacStar 467

Tactical Radio Gateway Powered by SyTech RADIUS

PacStar® 467 tactical radio gateway, powered by SyTech Radio and Digital Intercom Unified System (RADIUS) technology, enables near-limitless communications among radios, smartphones, VoIP devices, and voice gateway systems. PacStar 467 combines high-fidelity audio interfacing with the power and simplicity of the RADIUS Application. PacStar 467 operates standalone offering smartphone support and Team Awareness Kit (TAK) connectivity.

PacStar 467 features four (4) software-defined D-sub I/O port interfaces enabling support for various communications protocols including: analog audio, USB, RS-232, RS-485, RS-422 and UART. Selectable software-defined profiles within the RADIUS Client Application allow the operator to view and remotely control radios from popular manufacturers including Harris and Motorola. On-screen RADIUS Virtual Control Heads (VCH) replicates the radio interface, increasing the operator's familiarity and ease of system implementation.



PacStar 467 delivers unparalleled interoperability among all types of radios from all radio manufacturers across multiple domains and locations. Compatible with the RADIUS radio-over-IP (RoIP) product line, the RADIUS Client displays radios and assets graphically, allowing operators to drag and drop devices into channels or select and manage devices, creating and maintaining interoperable communication networks.

PacStar 467 integrates seamlessly with other PacStar 400-Series small form factor modules, providing the best in small, flexible power and environmental ruggedness. PacStar also offers many system packaging options for the PacStar 400-Series, including: briefcase, transit case, rackmount, vehicle-mount and backpacks.

Key Features

- **Standalone Operation:** Does not require external server
- **Radio Interface:** Four high density D-sub ports capable of analog audio, USB, RS-232, RS-485, RS-422, UART communications
- **Ease of Use:** Drag-and-drop channels, on-the-fly nets and graphical radio images for unsurpassed ease of use and control
- **Selectable Radio Profiles:** Select from radio profiles including - Harris RO-X, PRC-117G, PRC-152, PRC-160, PRC-167, Motorola APX and more
- **Scalable:** Federate multiple PacStar 467 modules across an IP network to create an interconnected network of radios, operators and devices
- **Smartphones:** Leverage smartphone applications such as RIOS Lite or A-TAK for augmented wireless communications
- **Activity LEDs:** Front panel LEDs indicate module status, including radio port availability (blue), radio receive (green) and radio transmit (red)
- **Snap-together Design:** Enables quick expansion downstream of other PacStar 400-Series core module products
- **Compact:** Reduced size for flexible packing and transport

Architecture

- On-board Processing: TI Sitara ARM Cortex 1GHz Microprocessor
- Operating System: Linux Kernel 4.19+
- Compute resources to host third-party apps

Physical Specifications

- Dimensions: 5.3" x 7.1" x 1.7"
- Weight: 2.3 lbs
- Fanless design for quiet operation, high reliability and low power draw
- Operational temperature: -20C to 60C
- MIL-STD-810 Environmental (testing pending)
- MIL-STD-461 EMI (testing pending)
- 4x DB-26 Radio Interface
- 1x GbE RJ45

Power

- Worldwide AC input with power adapter cable
- 2x AN/PRC-148/152 battery connectors, hot-swappable operation
- Interoperable with PacStar 400-Series power snap- together connectors and PacStar 400-Series Smart Chassis
- Max power draw: 10 Watts

Interoperability

- (4) D-sub I/Os capable of analog audio, USB, RS-232, RS-485, RS-422, UART communications
- Remote radio control for Harris RO-X, PRC-117G, PRC-160, PRC-167, PRC-163, Motorola APX, AirCOM, AC-1 (Aviation), and more
- Real-time Transport Protocol (RTP) with Motorola WAVE, ICE, TrellisWare TSM, and others

The RADIUS Client Application

- Create an unlimited number of dynamic patches among all communication types
- Selectable radio profiles with advanced radio controls and settings
- Onscreen virtual control heads (VCH) for real-time remote radio control
- Create channels for simplified end-user access
- Mixed audio for simultaneous audio reception
- Provide permission-based capability for users and profile groups
- Communicate among multiple RADIUS gateways with federated RADIUS MultiSite capability
- Save and recall mission plans and configuration settings
- Operational on Windows 10/11
- Optimized for touchscreen and dispatcher workstations applications



RADIUS Client Software

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