

 **RADIUS**

RADIUS 4 Port Tactical Radio Gateway

The SyTech Radio and Digital Intercom Unified System (RADIUS) interconnect radios, computers, smartphone, and digital intercoms within a unified system of interoperable communications.

RADIUS combines the durability and scalability of the Linux operating system, offering the next generation of the radio-over-IP gateway. The RADIUS 2U allows for up to four radio interfaces per gateway. Additional hardware features include field-removable CPU / data drive, LCD screen display and keypad, fast boot-up speed and a compact, ruggedized design. Add the RADIUS Client application for simplified, high-performance command and control, featuring enterprise-grade administration.



GATEWAY:

Interconnects all types of two-way radios including HF, VHF, UHF, and 700/800 MHz. Connects radios, personal computer, smartphones and crewstations.



CREWSTATION:

Intercom among locally connected crewstations using military-type two-way toggle ICS and selectable radio channel push-to-talk microphone headsets.



CLIENT:

Monitor and transmit to dynamic talkgroups created within a simple-to-use graphical user interface.



SMARTPHONE:

Connect with smartphones for remote system access, enabling two-way radio communications from anywhere with cellular, WiFi, or MANET access.



OPERATING SYSTEM:

The RADIUS gateway and crewstation utilize the Linux operating system kernel, eliminating the need for a server computer.



RADIUS

4 Port Tactical Radio Gateway



The RADIUS 4 Port Tactical Radio Gateway



- Dimensions: W 25 cm (9.84"), L 28.4 cm (11.18"), H 6.2 cm (2.44")
- Weight: 3.4 kg (7.5 lb)
- Input Voltage: 12 Volts DC
- Current draw @ 12 Watts
- DSub 26 Pin Radio Interfaces (4)
- Communication Interfaces: Ethernet (1)
- Operating System: Linux Kernel
- Processor: TI Sitara ARM Cortex 1GHz Microprocessor

- Temperature Range: -20 C to +70 C operational, -30 C to +80 C stored (designed to)
- Four Line, Twenty Character LCD Display
- Removable CPU / Data Drive
- SyTech Crewstations available with Ethernet DNS



The RADIUS Client Application

- Create dynamic patches among all communication types
- Create Channels for simplified end user access
- Mixed audio for simultaneous audio reception
- Create User Profiles for advanced enterprise management
- Provide permission-based capability to User Groups
- Communicate among multiple RADIUS gateways with federated RADIUS MultiSite Capability
- Operational on Windows 10 and other Windows platforms
- On-screen radio control heads for remote radio control

