PacStar®
Imagined. Engineered. Delivered.™

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CURTISS – WRIGHT

PacStar 464 Secure Wi-Fi Access Point

PacStar 464 provides Wi-Fi network access, meshing, and client access for secure networks, in a small form factor, rugged, all-in one package

PacStar 464 provides Wi-Fi transport of voice, video, and data communications in challenging environments. Designed to improve mobility and setup time, PacStar 464 is ideal for defense and civilian use cases such as in command posts, vehicles, and fly-away small team systems.

PacStar 464 provides a self-forming, self-healing wireless mesh network while shielding vulnerable radio links from sniffing through government-certified encryption technologies. PacStar 464 includes multiple Wi-Fi operating modes including access point, mesh, and client modes – providing use-case flexibility without requiring the expense or complication of a wireless controller.

PacStar 464 is ideal for use in environments requiring specialized form factor, size, weight, power, and security needs. It is designed from the ground up to provide flexible deployment, configuration and setup options.

The module runs standalone or integrates seamlessly with other PacStar 400-Series standard small form factor modules, providing the best in small size, flexible power, and environmental ruggedness. PacStar also offers a wide array of system packaging options for the PacStar 400-Series, including briefcase, transit case, rack mount, vehicle mount, and backpack transport.

Key Features

- **Based on Ultra Electronics WiFiProtect Gateway** with multiple radios, meshing/bridging, and high security

- **Industry-leading size, weight, and power** (SWaP) provides customers maximum flexibility when integrating into programs where mobility and deployment speeds are critical

- **Extensively tested** to MIL-STD-810/461 by independent labs. Reports available on request. For more information, see: pacstar.com/testing/

- **Integrated smart power supply** that runs on and recharges tactical radio batteries, wide-range DC input and worldwide AC input

- **Patented, compact snap-together design** enables quick expansion with other PacStar 400-Series modules and packaging solutions

- **Optionally managed by IQ-Core® Software** for easy setup and configuration (coming soon)

- **Single and dual radio options** available with aggregate 802.11n throughput up to 600 Mbps

- **FIPS 140-2 certified** encryption and extensive security features

- **Small, but powerful;** only 5.3" x 7.0" x 1.6" and 2.5 lbs.

Wireless Features

- Multiple Wi-Fi RFs: 802.11a/b/g/n
- Multiple SSIDs / 802.1Q VLAN
- Operation modes:
  - Access Point
  - Mesh Access Point
  - Mesh Point
  - Client
- Self-forming, self-healing mesh network
- Adjustable transmit power
- Aggregate 802.11n throughput: 600Mbps (300 Mbps per radio)

Security

- FIPS 140-2 L2 mode
  - FIPS - 802.11i PSK and 802.1x
- Enable/disable broadcast SSID
- MAC address filtering
- Supports NSA's CNSA ciphers
- Wireless AP and wireless client activities monitoring
- CAC based Multifactor Authentication

Connectors

- One 10/100/1000 Base-T WAN (UPLINK) Ethernet port
- One 10/100/1000 Base-T LAN (LOCAL) Ethernet port
- Six MIMO antennas for two radios
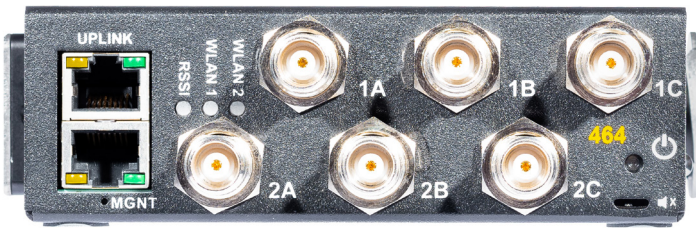
Physical Specifications

- Dimensions 5.3" x 7.0" x 1.6"
- Weight 2.5 lbs.
- Patented snap-together connector provides DC pass-through for powering additional PacStar 400-Series modules
- Operational temperature -20C to 70C
- Extensively tested to MIL-STD-810/461 by independent labs. Reports available on request. For more information, see: pacstar.com/testing/

Power Specifications

- Battery snap-together connectors for 2 each AN/PRC-152/148 snap-on radio batteries; hot-swappable with up to 2+ hours runtime per battery. Includes battery recharging, dead battery recovery, and low battery alarm.
- Wide range DC input, 10-35V
- Worldwide AC power input (with adapter cable)
- Regulated clean 12V DC output, 25 watts (supports devices such as KG-X/XS or KG-175D)
- Power draw:
  - Nominal 11.5 watts total
  - Max 15 watts total

Available Configurations

- Single radio with 3 antenna ports
- Dual radio with 6 antenna ports

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