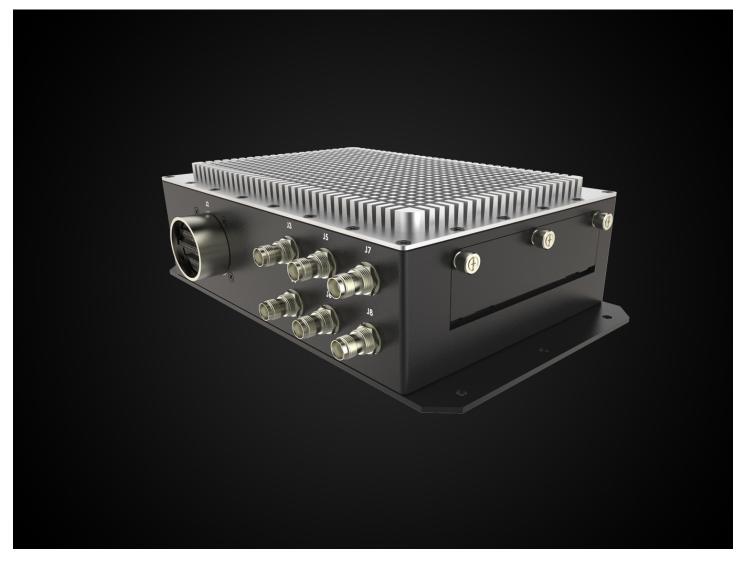# Model AWMR3000



## Model AWMR3000

The Model SES10P is the next generation of Aerospace Server and Secure Wireless Network Switch. With the ability to connect through up to 10 Ports of GbE, Wi-Fi and Worldwide 4G/5G Cellular, it is designed to simplify the connection of air and ground-based information networks. The architecture of this Switch is a bottom-up design to help get ahead of current and emerging Cyber Security challenges with completely segregated Red/Black zones in one box. The Switch provides top-in-class throughput and a level of robustness that is unparalleled. The SES10P is a smart investment in managing modern topology for the future of IT infrastructure. It is easy to deploy and easy to manage. RITEC makes enterprise-grade cyber security technology accessible for every aerospace and defense application.

# Performance Specifications

- Processor: 4 cores, up to 2.0 GHz
- Memory: 8 GB DDR4 RAM
- Up To 10 Ethernet: 10/100/1000
- Cellular: Worldwide 4G, 5G
- Wi-Fi: 802.11 b/g/n/ac
- Input Voltage: 115/230 Vac, 50/60 Hz
- Power Consumption: 45 W nominal

# Environmental Specifications

- Operating Temperature: -40ºC to +55ºC; limited operation at +71ºC
- Storage Temperature: -55ºC to +85ºC
- Operating Altitude: 0 to 25,000 feet
- Storage Altitude: 0 to 40,000 feet
- Humidity: Up to 100% operating/nonoperating
- Vibration: Sinusoidal 2.5 g, 10 to 250 Hz operating; Random 4.12 grms, 10 to 2,000 Hz operating
- Shock: 6 g, 11 ms operating; 20 g, 20 ms crash safety
- Electromagnetic Compatibility: RTCA/DO-160, Section 15-22 and Section 25
- Acceleration: 18 g, 3 axes each direction
- Power Transients: MIL-STD-704 normal/abnormal operation
- Lightning: Power pins 250V/10A, 125V/125A, 400V/4A; Data pins 50V/2A, 50V/50A

# Features

- Ethernet: Up to 10 x 1 GbE over copper
- Layer 2 packet processing
- Wi-Fi: 802.11 b/g/n/ac operating in the 2.4 GHz and 5 GHz bands
- Cellular: Worldwide 4G and 5G connectivity
- 4-core 2.0 GHz processor
- Atleast 6 instances of virtualization
- 20,000-hour MTBF

# Options

- Up to 64 GB RAM
- Up to 1 TB SATA
- Quadrax Ethernet connectors
- Layer 2 packet processing
- Security engine
- Red/Black data segregation