Rugged Rajant Cardinal AG1 IP68

PART NUMBER

NWT-CA-AG1-NF-GPS

PRODUCT DESCRIPTION

Designed for extreme environments, this complete solution includes the Rajant Cardinal AG1 OEM module housed in a custom Northwest Towers enclosure. The enclosure is purpose-built to protect the AG1, enhancing its durability for demanding industrial, mining, and outdoor deployments. With an IP68 rating, it offers full protection against dust, water ingress, and harsh weather, ensuring consistent performance in the toughest conditions.

This device also features integrated GPS for precise, real-time geolocation, making it ideal for applications like mining, military, transportation, and industrial automation. Whether you need reliable communication in remote sites or harsh terrains, this rugged solution keeps your network running without compromise.

FEATURES

Rugged Construction	Precision-milled from solid billet aluminum and anodized for superior environmental resistance
Seamless Connectivity	Equipped with (4) N-Female coax connectors, and integrated GPS, M8 USB port, M12 L-Code direct DC power, and M12 X-Code Ethernet for robust network integration
Versatile Power Options	Supports active 802.3at, passive 48V PoE, or direct 48V, with an efficient 15W power draw for optimal performance
LED Status Indicator	Provides clear visual feedback on boot-up, power, and operating states
Built for Harsh Environments	Designed to withstand extreme temperatures and moisture, ensuring continuous operation in industrial and remote settings
Flexible Mounting Options	Supports our Universal Machine Mount or Din-Rail Mount Kits
Made in the USA	Proudly manufactured and assembled in the United States for quality assurance and durability.
2x2 MIMO 802.11 AC Wave2 Radios	(1) Dual-band 2.4/5 GHz, 2x2 MIMO transceiver, and (1) 5 GHz, 2x2 MIMO transceiver
Max RF TX Power	24 dBm combined
Power Consumption	5W (average, idle), 15W maximum
Certification	FCC, IC, CE, Japan, South Africa, Australia
Warranty	1 year

TEMPERATURE RANGE

Temperature	Ambient/surrounding (operating) -40C to 60C

MECHANICAL CHARACTERISTICS

Dimension	Overall dimensions: 7.04” x 6.30” x 2.23” (including connectors, with 4.33” connector spacing)
Weight	3lb 14oz

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