

# 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

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

## TEMPERATURE RANGE

<b>Temperature</b>	Ambient/surrounding (operating) -40C to 60C
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## MECHANICAL CHARACTERISTICS

<b>Dimension</b>	Overall dimensions: 7.04" x 6.30" x 2.23" (including connectors, with 4.33" connector spacing)
<b>Weight</b>	3lb 14oz

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