KYMATA

Kymata Amplifiers
AMP5
5.1-5.8GHz Amplifier

Application Scope

Kymata provides a groundbreaking solution for indoor and outdoor radio coverage in extensive logistical and industrial areas. Kymata antennas and amplifiers effectively and economically resolve signal issues, ensuring superior performance.
The intuitive management through a web interface and SNMP offers complete and immediate control of industrial wireless networks.

AMP5 Amplifier

The AMP5 amplifier is a bidirectional, active half-duplex device operating in the 5GHz band, delivering a maximum output power of 32dBm for extensive and reliable Wi-Fi coverage. Designed for industrial and outdoor applications, it integrates IP management features for real-time monitoring and precise control via a web-based graphical user interface (GUI) and SNMP. When used with Kymata antennas, the AMP5 significantly enhances Wi-Fi performance across large areas, ensuring robust connectivity and optimal network efficiency in complex environments.

Key Features

- ***Bidirectional WiFi Amplification (TX+RX)***
  Enhances both transmission and reception to improve signal strength.
- ***Powerful Output***
  Delivers up to 32dBm output, ensuring strong and consistent Wi-Fi coverage over large areas.
- ***Advanced Management***
  Includes SNMP management and a dedicated web GUI for real-time monitoring and control.
- ***Compatibility and Performance***
  Compliant with current regulations, the AMP5 works with Kymata antennas and supports Wi-Fi 802.11a/n/ac/ax networks.
- ***PoE Power Supply***
  Provides flexibility and reliability across various industrial settings.

Benefits

- ***Enhanced Coverage***
  Provides superior Wi-Fi coverage across large areas, ensuring robust connectivity and performance.
- ***Superior Signal Stability and Throughput***
  Delivers stable and high-throughput performance, crucial for demanding environments.
- ***Real-Time Monitoring***
  Allows for real-time RF Key Performance Indicators (KPIs) monitoring via SNMP and web GUI, ensuring optimal network performance.

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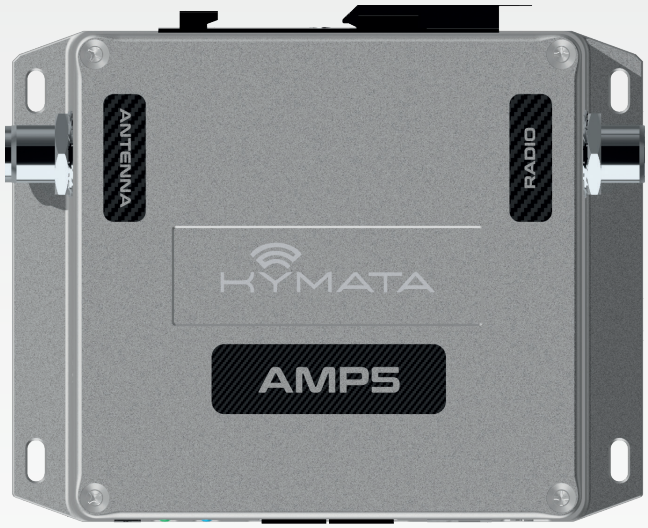
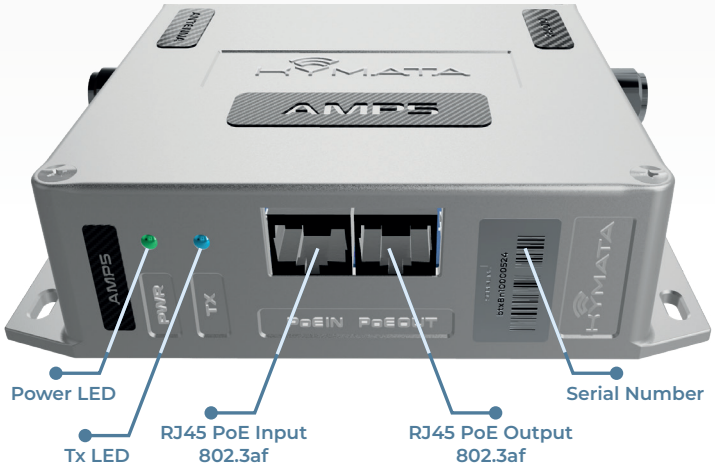
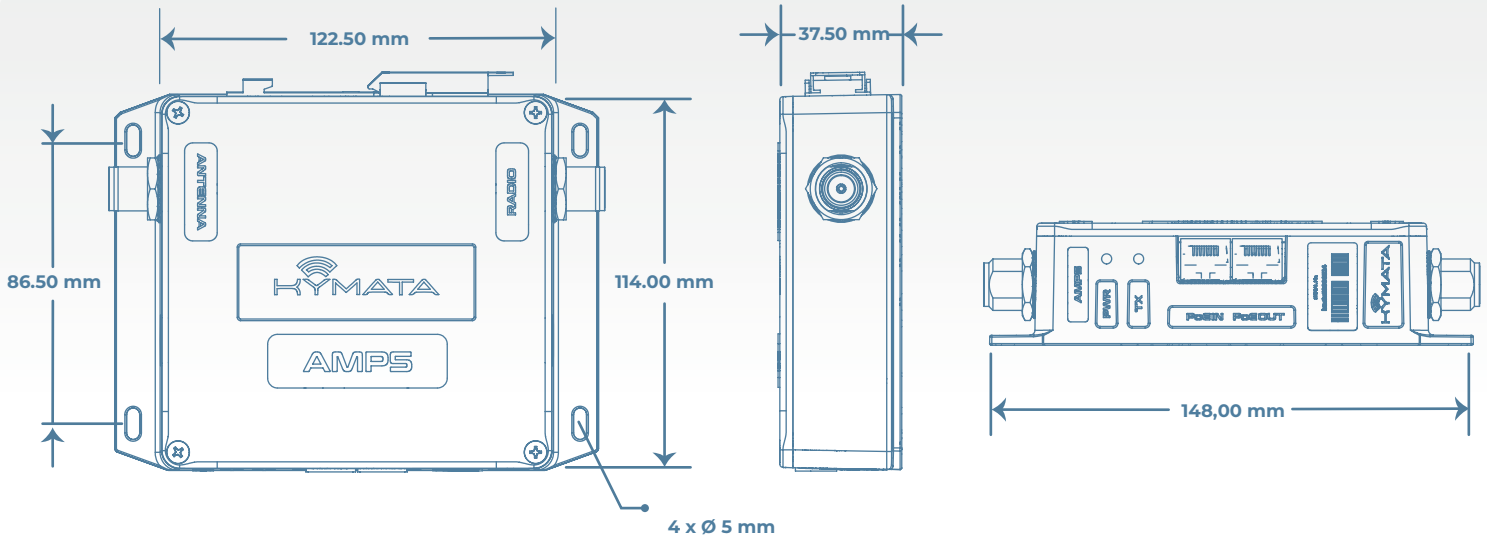
Technical Specifications

Chassis	Aluminum [Matte White]
Dimensions	148 x 114 x 37.5 mm
DIN Mounting	DIN Rail IEC/EN 60715
Fixing Drill Holes	4 Holes x Ø5mm
Power Supply	Standard PoE 802.3af
Power Connector	2 x RJ45 [PoE, electrical bypass]
Radio/Antenna Connectors	2 x N female
Operating Temperature	0 to +70°C
Power Voltage	+37 to +57VDC [PoE]
Maximum Current Consumption	200mA @ 48VDC
Ethernet Port	RJ45 10/100BaseTX
Status LED	Green [On/Off]
Traffic LED	Blue [Traffic]
Operating Frequency	5.150~5.850 GHz
Standard IEEE	802.11b/g/n/ax
Max RF Input Power in TX	+5 to +18 dBm
TX Gain	17 dB ± 1 dB
TX Average Power	32 dBm
RX Gain	13 dB ± 1 dB
RX Noise Figure	3 dB
Management	SNMP v2.0 integrated web server GUI







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