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**MPR-3014NF-QM-NA (915 MHz)**

Network, Fixed, Quad-Mono Ant, North America

The world's first \$1,000 (production volume) reader, full capability, network intelligent, AWID's MPR-3014NF-QM is a four-antenna RFID reader providing optimal coverage for dock door & portal applications in a single reader. MPR-3014NF reads and writes EPC C0, C0+, C1, C1 Gen2, ISO-18000-6 A/B & EM Micro protocols. MPR-3014NF-QM is network-upgradeable, ensuring your RFID supply chain infrastructure investment grow with the changing demands of future protocol standards and changes.

Sentinel-Sense™ MPR-3014NF

MPR-3014NF-QM allows the user flexibility to deploy and focus four independent antennas in mono-static mode, each antenna performing transmit-and-receive at the same time. MPR-3014NF-QM Reader's thin compact profile works well in conveyor belt and portal arrangements, providing coverage to all sides of a conveyor or both sides of a portal.

MPR-3014NF-QM comes four optically isolated Inputs and four outputs, allowing the ability to accept input from optical or mechanical sensors and to drive alarms, diverters and activity displays. Ideally suited to long-range supply chain asset tracking and monitoring applications, MPR-3014NF-QM can monitor and report supply chain product traffic to a central station on a real-time basis or collect the information to be polled out on a predetermined schedule. The MPR-3014NF-QM reader can be used in unison with multiple other AWID reader configurations, all controlled at the RFID system edge, offering hard drive memory reader back-up data storage, wireless RFID reader system interface and operate all known RFID configurable system software platforms (Sybase I-Anywhere, SAP, Oracle, Oat, GlobeRanger, Red Prairie, Connectara, etc.)

Using Ethernet with PoE+ (Power over Ethernet Plus), the reader receives its operating power from the remote PoE equipped Ethernet switch, router or Edge Controller and requires only one CAT5 cable with RJ45 connector for power, command, and data I/O. This configuration eliminates the need to string separate AC power cable and drastically reduces system installation cost. A fully ruggedized version is also available.

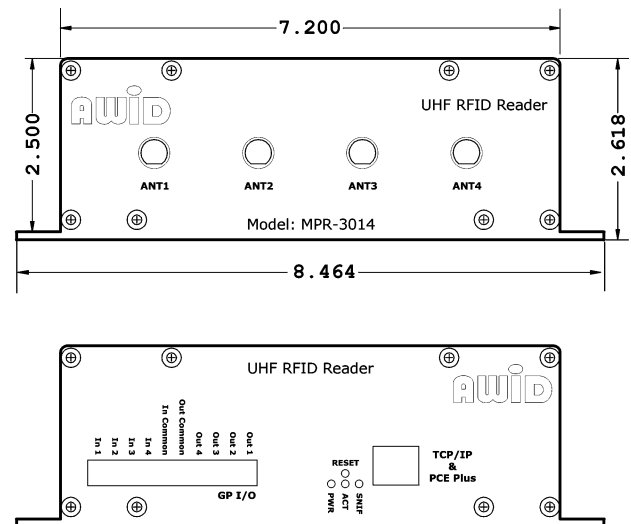
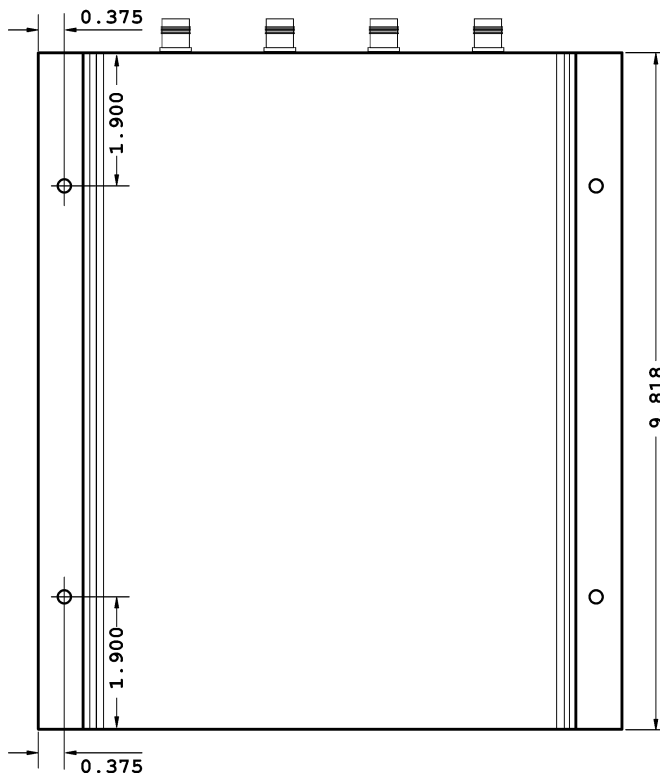
Features

- **TCP/IP interface with PoE Plus (Power over Ethernet Plus) connectivity**
- **Multi-Protocol -- EPC C0, C0+, C1, C1Gen2, ISO-18000-6A & B, EM Micro, etc.**
- **Read Range -- 15 to 28 feet (4.5 to 8.5 meters) – Tag dependent!**
- **Antenna -- Circular-polarized with 1.2:1 VSWR and minimum H/V differentials**
- **“PoE Plus” Supply Range -- 37 to 58V, nominal at 48 VDC and 600 mA**
- **Electronics packaged in moisture-proof enclosure for indoor/outdoor use**

Specifications

MPR-3014NF

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|-------------------------------|--|
| Frequency: | 902-928 MHz, frequency hopping, unlicensed |
| RF Power: | 1.0 Watt (+30 dBm), with 20 dB digital control range |
| Read Range: | Typical – 15 to 28 feet (4.5 to 8.5 meter) – tag dependent |
| Protocol: | EPC C0, C0+, C1, C1 Gen2, ISO-18000-A & B, EM Micro, etc. |
| Multi-tag Read: | Each protocol is tag dependent |
| Polarization: | Circular Polarization, Optional – Vertical or Horizontal |
| Write Range: | 70% of Read Range |
| Self-Test | Temperature and power draw |
| I/O Control: | TCP I/P, RS-232 and 4-Input, 4-Output (Optically isolated) |
| Power Supply: | PoE Plus, 48 VDC @ 600 mA or 12 VDC @ 2.0 A |
| Operating Temperature: | -20° to +80° C (-4° to +176° F) |
| Storage Temperature: | -35° to +90° C (-31° to +194° F) |
| Humidity: | 0-95%, Non-Condensing |
| Size: | 4 independent antennas × 12 × 12 x 0.75 inches |
| Weight: | 1,450 g (3 lb 8 ounces) |



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Disclaimer:

Specifications subject to change without notice. AWiD reserves the right to make changes to improve performance without impacting form, fit or function

October 14, 2005

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