



Product Code:  
M6-NA PoE 500.024  
M6-Wifi 500.347

# Mercury 6 UHF Reader

The Mercury 6 is a UHF RFID reader with small dimensions and high-performance. Based on the powerful M6e module, it supports Up to 4 mono-static antennas, digital inputs and outputs and a Wi-Fi connection. It also has an API for software development in C, .NET and Java.

## • Technical Specifications

### Tag/ Transponder Protocols

• RFID Protocols	EPCGlobal Gen2 (ISO 18000-6C) ISO 18000-6B (optional) IP-X (EM 412x) (optional)
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### Antenna Interface RFID UHF

• Interface	4 reverse TNC connectors
• Output Power	Separate reading levels and adjustable RF recording 5 dBm to 30 dBm with accuracy of $\pm 0.5$ dBm.
• Frequency	902-907 MHz, 915-928 MHz

### Data / Control / Wireless Interface

• Connectors	RJ45 (10/100 Ethernet Base T) USB Type B (console port) USB Type A (accessory port) 9DB15 (GPIO Interface) Sealed connector 5.54 mm (DC power)
• Wireless	Internal 802.11 b / g (optional); WEP keys of 40-bit and 104-bit; WPA & WPA2 with TKIP and AES algorithms with shared or EAP-TLS interface Type A USB key enables future support for external wireless technologies.
• Indicators, buttons and GPIOs	1 LED Status Indicator in two colors; Reset button; isolated GPIOs: 4 inputs and 4 outputs, 5VDC and GND referenced

### Physical

• Dimensions	190 x 178 x 34 mm
• Weight	0,9 kg

### Regulations and Security

• Regulations	Anatel FCC 47 CFR Ch.1 Part 15 Canada Industry RSS-21 0 ETSI EM 302 208 V1.2.1
• Others	Compliant with RoHS directive

### Power

• PoE	Power over Ethernet 802.3af modes A e B (Cable up to 100 m)
• External DC Source	Voltage: 10-30 VDC Maximum Power DC: 15W

### Ambient

• Operating Temperature	-20°C to +50°C
• Storage Temperature	-40°C to +85°C
• IP Graduation	IP52
• Humidity	5% to 95%, non condensing

### Architecture

• Operating System	Linux kernel version 2.6
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### Performance

• Read rate	Up to 400 tags / second
• Reading range*	Up to 9 m with 6 dBi antenna
• EPC ID Reading	Up to 496 bits

### Characteristics MercuryOS

• Network	Certified Cisco DHCP and DNS. Basic configuration and firmware manager, network TCP/IP
• Security	SSL/SSH as base of security
• Web - Basic control	Configuration and monitoring via web browser: HTTP / HTTPS

\* The reading distance may vary according to tag, antenna, cable and environment of use of the reader.

## • Dimensions [mm]

