

## UHF RFID Network Interface Reader/Writer MPR-2010BN (902-928 MHz)



### Applications:

WIP Tracking - (Work-In Process)  
Sortation Systems - Quality Control

Asset Tracking - Inventory Control -  
Fleet Maintenance Management

Supply Chain Visibility - Portals -  
Tunnels - Choke Points

POS Input - Supermarket Mode -  
Unmanned Kiosks

Document Track-n-Trace - File  
Management - Authentication

Secured Access - Human Tracking -  
Multi Layered Security

### Features:

Integral Reader / Patch Antenna  
System

1 Antenna Expansion Port - 6' Cable

Host Interface - TCP/IP Ethernet 10  
mbps, RJ45 Connector

POE w/ Lower Power Consumption

Multi Protocol Capability Including  
ISO 18000-6 B/C and EPC Gen2

Moisture Sealed Enclosure for  
Indoor/Out Door Use

Easy Communications Protocol

General Purpose Discrete I/O

### Specifications

**Frequency:**  
902-928 MHz, Frequency Hopping

**RF Power:**  
1 Watt (+30dBm), with 20dBm digital Control Range

**Read Range:**  
6m (24ft) *Dependant on Tag Type*

**Write Range:**  
60% of Typical Read Range

**Protocols:**  
C1G2, C1G1, ISO 18000-6B/C

**Multi Tag Read:**  
Yes

**Antenna Polarization:**  
RHCP (Right Hand Circular Polarized)

**Antenna Gain and Impedance:**  
5.6dBi Typical and 50 Ohm

**Expansion Antenna:**  
Yes - 1 max. w/ 6' cable, Max Gain +6.0dBL, 1.20 VSWR,  
50 Ohms, SMA connector

**Communication Interface:**  
TCP/IP Ethernet 10 mbps, RJ45 Connector

**Inputs /Outputs- Digital:**  
4 - Input / 4 - Output

**Power Requirements:**  
DC 37v to DC 56v

**Power Consumption:**  
300mA Max

**Operating Temperature:**  
-20°C to +50°C (-4F to +122F)

**Storage Temperature:**  
-35°C to +70°C (31F to +158F)

**Weight:**  
1.2kg (2.0lbs)

**Protection Class:**  
IP 50 (Intended - Not Certified)

### China & Hong Kong

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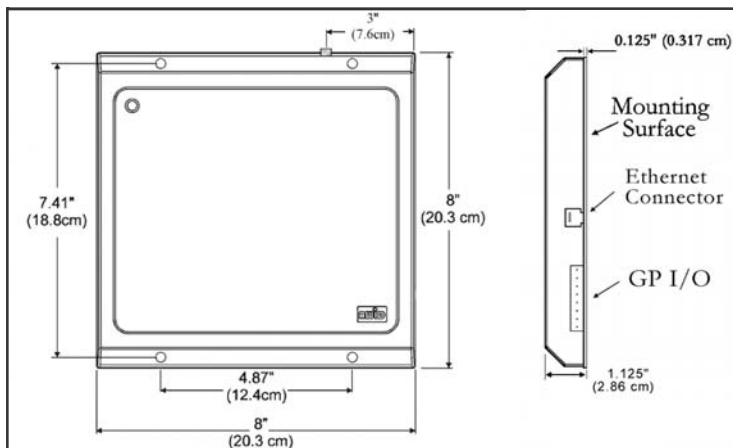
# MPR-2010BN

## Regulatory Agency Certifications:

FCC Part 15 - FCC ID - OGSM27EA  
 Industry Canada - 6449A-M27EA  
 UL, CSA, DGT, MIC - Consult AWID

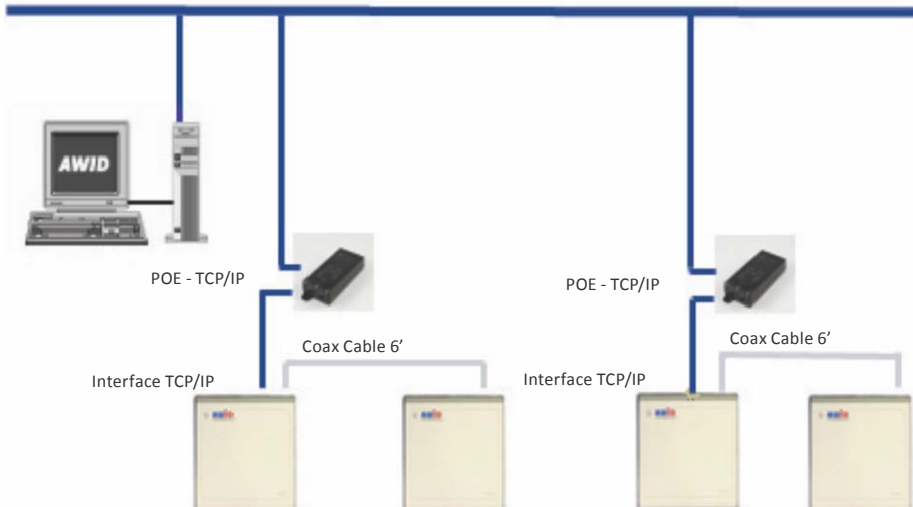
## Additional System Components, Peripherals, Software & Accessories

Reader Power Supply (Wall Plug):	PS-4803A-0-0 (DC48V @ 320mA)
Antenna Mount Bracket:	MPR-2010MB-0-0
External Expansion Antenna:	MPR-2012ANT (included 6' cable)
Software Development Kit:	SDK supplied on CD with Unit



*Mechanical Drawing for both the Reader and External antenna are the Same*

## Integral Network Reader Antenna Package w/ External Expansion Antenna



**AWID**asia



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