



## Basic features

<b>Approval/Conformity</b>	FCC Part 15 IC (Radio) WEEE cULus
<b>Principle of operation</b>	Processor unit
<b>Radio license</b>	USA Canada Mexico
<b>Standards</b>	EPCglobal™ Class 1, Gen 2 ISO 18000-6C

## Display/Operation

<b>Data rate (DR)</b>	Green LED/Red LED
<b>In 1</b>	LED orange
<b>In 2</b>	LED orange
<b>Module Status (MS)</b>	Green LED/Red LED
<b>Network Status (NS)</b>	Green LED/Red LED
<b>Out 1</b>	LED orange
<b>Out 2</b>	LED orange
<b>Out 3</b>	LED orange
<b>Out 4</b>	LED orange
<b>Ready/Error</b>	Green LED/Red LED
<b>Tag Operating</b>	LED orange, flashing
<b>Tag Present (TP)</b>	LED orange

## Electrical connection

<b>Connection (COM 1)</b>	X4 (EtherNet/IP): M12x1-Male, 4-pin, D-coded
<b>Connection (Service)</b>	X3 (RS232): M12x1-Male, 4-pin, A-coded
<b>Connection (supply voltage IN)</b>	X1: Male, 5-pin
<b>Connection slots</b>	1: R-TNC-Male 2: R-TNC-Male 3: R-TNC-Male 4: R-TNC-Male X2 (IN/OUT): Male, 8-pin

## Electrical data

<b>Antenna impedance</b>	50 Ohm
<b>Control input</b>	2 (optocoupler isolated)
<b>Control output</b>	4 (optocoupler isolated) PNP
<b>Control voltage active</b>	4...40 V
<b>Control voltage inactive</b>	1.5...-40 V
<b>Current consumption max. at 24 V DC</b>	1 A
<b>Delay time typ.</b>	5 ms
<b>Input current max. at 24 V</b>	11 mA
<b>Link/Activity (L/A)</b>	Green LED/Red LED
<b>Multi-Tag capable</b>	yes
<b>Operating voltage Ub</b>	19.2...28.8 VDC
<b>Operating voltage, output Vs</b>	19.2...28.8 V DC
<b>Output current max.</b>	50 mA
<b>Output power adjustable</b>	17 dBm...30 dBm (50 mW...1 W)
<b>Output resistance Ra</b>	10.0 kOhm to -VS
<b>Residual ripple max.</b>	10 %
<b>Working frequency</b>	902...928 MHz

## Environmental conditions

Ambient temperature	-20...55 °C
Continuous shock load	yes
EN 60068-2-27, Shock	yes
EN 60068-2-32 Free fall	yes
EN 60068-2-6, Vibration	yes
IP rating	IP65, with connector
Storage temperature	-20...60 °C

## Functional safety

MTTF (40 °C)	34.6 a
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## Interface

Interface	EtherNet/IP galvanically isolated
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## Material

Housing material	Steel, Aluminum, coated
Housing material, surface protection	coated

## Mechanical data

Application weight	2100.00 g
Dimension	110 x 60 x 315 mm

## Remarks

For use only in USA and Canada.

When installing, the technical standards and regulations of the corresponding countries must be observed.

Values are under rated conditions unless otherwise specified.

Attention: Use a minimum cable length of 10 meters!

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## Connector Drawings

