

Ideal for **long read range** applications



#### Features

- ETSI EN 302 208 Compliant
- EPC C1 G2, ISO 18000-6C Compliant
- Up to 4 External Antenna Connectors
- SW programmable output power up to 1.5mW (32dBm) conducted

#### Applications

- Vehicle Mounting
- Industrial Control
- Pick and put away applications
- Vehicles access control systems
- RFID tunnels
- Portals application

#### General Info

The Tau (Model A941M), OEM reader of the easy2read<sup>®</sup> Family, is an UHF multi protocol module for long range applications.

With programmable output power in 256 steps from 17dBm to 32dBm, the reader can detect tags up to 10m of distance (depending on antenna and tag dimensions).

Due to its form factor, the module is specifically designed to be easily embedded into a user's infrastructure/ devices requiring UHF tag programming and reading.

The A941M is fully compliant to the European regulations ETSI EN 302 208 and ETSI EN 300 220 and supports Philips UCODE EPC 1.19, ISO 18000-6B, and EPC Class1 Gen2.

The A941M is ideal for customers who want to design their own RFID solution and require a long range RFID reader engine featuring up to 4 antennas.



**easy2read® Family**  
 The easy2read® family constitutes a complete and reliable product line of readers for any Auto-ID need. A reading range from a few centimetres up to 7-8 metres distance makes the easy2read® family suitable for applications such as access control, UHF gates, desktop reading or OEM modules for integration into handheld or printer devices.



**Technical Specifications Table**

<b>Frequency Range</b>	865.6 ÷ 867.6 MHz (ETSI EN 302 208)
<b>RF Power</b>	SW programmable Max.: 1.5 W (32 dBm) conducted
<b>Antenna Connector</b>	Nr. 5 SMA type female; 4 read point + 1 LBT (Listen Before Talk)
<b>Frequency Tolerance</b>	±10 ppm over the entire temp. range
<b>Number of Channels</b>	4 channels compliant to ETSI EN 302 208
<b>Std. Compliance</b>	ISO 18000-6B Philips UCODE EPC 1.19 EPC C1G2
<b>Digital I/O</b>	Five I/O lines 3.3 V out, 5 V tolerant
<b>Connectivity</b>	RS232; 9.6÷115 kbit/s data rate (settable)
<b>Dimensions</b>	(W)187 x (L)101 x (H)18 mm <sup>3</sup> (7.4 x 4.0 x 0.7 inch <sup>3</sup> )
<b>Power Consumption</b>	- 1 A @ 15 V (TX/RX mode) - 260 mA @ 15 V (idle mode)
<b>DC Power</b>	15± 5% VDC
<b>Operating Temp.</b>	-20 °C to 70°C
<b>Weight</b>	330 g

**Ordering Options**

Code	Description
<b>Reader</b>	
WA941ME0XAAA	A941MEO - OEM UHF stand alone reader (ETSI EN 302 208)
<b>Accessories</b>	
WANTENNAX005	Circular polarized antenna
WANTENNAX007	Linear polarized antenna
WALIM0000001	Power Supply for A941
WCAVOAAAX003	5 m RF Antenna Cable SMA-N type
WCAVOAAAX004	15 m RF Antenna Cable SMA-N type



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