

**TiLe**

**R1250I**

**Compact UHF RFID  
Desktop Reader**



**UHF RFID technology  
on your desk**

### Features

- EPC C1 G2, ISO 18000-6C Compliant
- Multi-regional Support
- USB power and communication
- Integrated circular polarized antenna
- Compact size
- HID profile support

### Applications

- Point of sales
- Documents tracking
- Access control
- Tag programming stations
- Inventory management

### General Info

The Tile (model R1250I), desktop reader of the easy2read<sup>®</sup> family, is an UHF RFID reader with integrated antenna for short to medium range applications.

The reader is powered and controlled directly by an USB cable, thus allowing to read EPC Class1 Gen2 UHF RFID tags in an easy desktop environment.

Thanks to its compact size, the Tile reader is the perfect choice for various applications such as point-of-sales, document tracking, tag programming stations, access control and so on. It can also be used as a building block for smart shelves and smart displays.

The Tile reader supports the HID profile (native keyboard emulation) allowing to interact directly with legacy application, office automation SW or any other generic solution requiring manual input.

Being compliant with both European and US regulatory environments, the Tile reader allows installations in various countries worldwide as needed by retailers, forwarders, warehouses and other global organizations.

The core components of the Tile reader are the CAEN RFID QuarkUp module, a top performing ultra-compact UHF RFID module, and the Quad, a compact circular polarized antenna designed by CAEN RFID.



### 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.

- OEM Readers
  - Fixed Readers
  - Desktop Readers
- 

### Technical Specifications Table

<b>Frequency Band</b>	865.600÷867.600 MHz (ETSI EN 302 208) (Mod. R1250IE) 902÷928 MHz (FCC part 15) (Mod. R1250IU)
<b>RF Power</b>	Programmable in 18 levels (1dB step) from 8 dBm ERP to 25 dBm ERP (Mod. R1250IE) Programmable in 18 levels (1dB step) from 8,5 dBm ERP to 25,5 dBm ERP (Mod. R1250IU)
<b>Output power accuracy</b>	+/- 1dB
<b>Antenna</b>	Integrated Circular Polarized Antenna
<b>Frequency Tolerance</b>	±10 ppm over the entire temperature range
<b>Number of Channels</b>	4 channels (compliant to ETSI EN 302 208 v1.4.1) (Mod.R1250IE) 50 hopping channels (compliant to FCC part 15.247) (Mod.R1250IU)
<b>Standard Compliance</b>	EPC C1G2/ISO 18000-6C
<b>User Interface</b>	Red LED: Power Blinking Green LED: Tag detection
<b>Connectivity</b>	Mini USB type B plug connector USB 2.0 Full Speed (12Mbit/s) device port Must be connected to two High-power USB Type A ports (500 mA @ VBUS) Virtual COM port parameters: - Baudrate: up to 115.200kbps - Databits: 8 - Stopbits: 1 - Parity: none - Flow control: none HID profile available
<b>Dimensions</b>	(W)125 x (L)125 x (H)25 mm <sup>3</sup> (4,92 x 4,92 x 0.98 inch <sup>3</sup> )
<b>Electrical Power</b>	5 V ± 5% - DC bus powered (USB) Max 650 mA
<b>Operating Temperature</b>	-10 °C to +55 °C
<b>Weight</b>	220g max.
<b>Length of USB cable</b>	1 m

### Ordering Options

Code	Description
Reader	
<b>WR1250IEXAAA</b>	R1250IE - Tile - Compact UHF RFID Desktop Reader (ETSI)
<b>WR1250IEXAFL</b>	R1250IE - Tile - Flanged - Compact UHF RFID Desktop Reader (ETSI)
<b>WR1250IEXBAA</b>	R1250IE - Tile - Black - Compact UHF RFID Desktop Reader (ETSI)
<b>WR1250IEXBFL</b>	R1250IE - Tile - Black Flanged - Compact UHF RFID Desktop Reader (ETSI)
<b>WR1250IUXAAA</b>	R1250IU - Tile - Compact UHF RFID Desktop Reader (FCC)
<b>WR1250IUXAFL</b>	R1250IU - Tile - Flanged - Compact UHF RFID Desktop Reader (FCC)
<b>WR1250IUXBAA</b>	R1250IU - Tile - Black - Compact UHF RFID Desktop Reader (FCC)
<b>WR1250IUXBFL</b>	R1250IU - Tile - Black Flanged - Compact UHF RFID Desktop Reader (FCC)



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