



Tile - R1250I

Compact RAIN RFID
Desktop Reader

Features

- RAIN (UHF EPC Class1 Gen2, ISO 18000-63) Compliant
- Multi-regional Support
- USB power and communication
- Integrated circular polarized antenna
- Compact size
- USB HID profile support

Applications

- Point of Sales
- Document Tracking
- Access Control
- Tag Programming Stations
- Inventory Management

General Info

The Tile (model R1250I), desktop reader of the easy2read® product line, is a RAIN 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 RAIN 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 applications, 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 RAIN RFID module, and the Quad, a compact circular polarized antenna designed by CAEN RFID.



- Embedded Readers
- Mobile Readers
- Integrated Readers
- Fixed Readers
- Temperature Loggers

easy2read[®] product line

The easy2read[®] product family constitutes a complete and reliable product line of RAIN RFID 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, RFID gates, desktop reading or OEM modules for integration into handheld or printer devices.

Technical Specifications Table

Frequency Range	– 865.600÷867.600 MHz (ETSI EN 302 208 v3.1.1) (Mod. R1250IE) – 902÷928 MHz (FCC part 15) (Mod. R1250IU)
RF Power	– 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)
Output Power Accuracy	+/- 1dB
Antenna	Integrated Circular Polarized Antenna
Frequency Tolerance	±10 ppm over the entire temperature range
Number of Channels	– 4 channels (compliant to ETSI EN 302 208 v3.1.1) (Mod. R1250IE) – 50 hopping channels (compliant to FCC part 15.247) (Mod. R1250IU)
Standard Compliance	EPC C1 G2 / ISO18000-63
User Interface	Red LED: Power Blinking Green LED: Tag detection
Connectivity	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
Dimensions	(W)125 x (L)125 x (H)25 mm ³ (4,92 x 4,92 x 0.98 inch ³)
Electrical Power	- 5 V ± 5% – DC bus powered (USB) Max 650 mA
Operating Temperature	-10°C to +55°C
Weight	220 g max.
Length of USB cable	1 m

Ordering Options

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



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