CAENRFID

R1353I

Slate³

RAIN RFID Desktop Reader

IMPINJ
CONNECTED

BENEFITS	Slim form factor	Trigger button	USB powered	USB Type C	HID	Cost effective

Features

- *RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant*
- *ETSI and FCC versions available*
- *USB communication*
- *Integrated circular polarized antenna*
- *Slim form factor*
- *USB powered*
- *HID profile on USB available*

Applications

- *Points of sale*
- *Access control*
- *Tag Programming Stations*
- *Document tracking*
- *Inventory Management*

Overview

The **Slate³** (Model R1353I) is a slim RAIN RFID reader of the easy2read© product line with integrated antenna for short to medium range applications.

The reader is powered and controlled directly by an USB type C cable, thus allowing to read RAIN RFID tags in an easy desktop environment.

Thanks to its compact size, the **Slate³** reader is the perfect choice for various applications such as points-of-sale, 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 **Slate³** 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.

The reader has a physical trigger button that, if enabled, permits to start the reading process only when needed. The same trigger signal is available also via a jack connector to use an external trigger button.

The **Slate³** can also be fixed with screws using the fixing holes available on the corners of the reader.

Being compliant with both European and US regulatory environments, the **Slate³** reader allows installations in various countries worldwide as needed by retailers, forwarders, warehouses and other global organizations.

The core component of the **Slate³** reader is the CAEN RFID **Lepton³** module, an ultra-compact RAIN RFID module based on the Impinj E310 reader IC.

Technical Specification Table

Frequency Range	• 865.600÷867.600 MHz (ETSI EN 302 208 v. 3.3.1) (Mod. R1353IE) • 902÷928 MHz (FCC part 15.247) (Mod. R1353IU)
RF Power	• Configurable from -5 dBm ERP to 20 dBm ERP (Mod. R1353IE) • Configurable from -3 dBm EIRP to 22 dBm EIRP (Mod. R1353IU)
Number of Channels	• 4 channels (compliant to ETSI EN 302 208 v. 3.3.1) (Mod. R1353IE) • 50 hopping channels (compliant to FCC part 15.247) (Mod. R1353U)
Standard Compliance	EPC Class 1 Gen 2 - ISO18000-63
Antenna Gain	• -3 dBi (typical)
Antenna Type	Circular Polarized UHF Antenna
Read Range	Up to 1 m (Typical)

USB Interface	USB 2.0 Full Speed (12 Mbit/s) via USB Type-C connector
	• HID profile available
	• Virtual COM Port parameters:
	  • Baudrate up to 921.600 kbit/s
	  • Databits: 8
	  • Stopbit: 1
	  • Parity: none
	  • Flow control: none

User Interface	• Power button • Power and tag read status LED • Trigger button • Jack connector for external trigger button • Bi-tonal buzzer for event signaling
IP Rating	IP30
Dimensions	220 x 140 x 13/17 mm³ (8.67 x 5.51 x 0.51/0.67 inches³)
Operating Temperature	-10 °C to +55 °C
Weight	275 g
USB Cable Length	1.5 m

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Ordering Options

WR1353IXEUAA	Slate³ - RAIN RFID desktop reader - ETSI
WR1353IXUSAA	Slate³ - RAIN RFID desktop reader - FCC