



RFID Ceiling Phase Reader CP310

Model CP310 · Brand: Identium



An overhead UHF RFID reader with a built-in antenna and Impinj E310 chip that reports tag phase as well as ID, so software can follow tagged items moving through doorways, aisles and rooms. Powered over PoE or 9–24 V DC.

KEY FEATURES

- Ships with Identium ReaderSense — desktop configuration, tuning, QC testing and live tracking, with HTTP POST output to your own system
- Impinj E310 reader chip, up to 250 tags per second
- Phase-based reads for movement and direction sensing below the reader
- PoE, Wi-Fi, RS232, USB and Wiegand 26 outputs; Bluetooth optional
- Three relay outputs, multi-pin I/O terminal block and storage for 1,000 tags
- Aluminium die-cast body, 575 × 200 × 45 mm, 2 kg, made for ceiling mounting
- Dual-colour LED and buzzer for read feedback

APPLICATIONS

Retail item location

Warehouse portal tracking

Hospital equipment tracking

Staff attendance sensing

Doorway in/out monitoring

SPECIFICATIONS

Frequency	865–868 MHz (India); other bands on request
Protocol	ISO 18000-6C (EPC Gen2)
Chip	Impinj E310, read speed up to 250 tags/s
Antenna	Built-in, near-field/short-range optimised to avoid stray reads
Read range	1–3 m (depends on tag)
RF power	0–30 dBm, adjustable
Work mode	Active, Answer
Interface	RS232, USB, Wiegand 26, PoE Ethernet, Wi-Fi; Bluetooth optional

I/O	3 relays; multi-pin terminal block for custom input/output
Tag storage	1,000 tags
Indicators	Dual-colour LED, buzzer
Power	PoE or 9–24 V DC; 5 V over USB
Operating temperature	–10 °C to +55 °C
Storage temperature	–20 °C to +75 °C
Material	Aluminium die-cast
Mounting	Ceiling
Dimensions	575 × 200 × 45 mm
Weight	2 kg