

R3S

Networked desktop pad with PoE+ and Bluetooth 5.0

Overview

The networked sibling of the R3: same confined desktop read area, but with Ethernet, PoE+ power and Bluetooth 5.0 so it can run as a standalone kiosk station without a host PC nearby. Reads 250+ tags per second and 70+ tags in a single scan.



Technical specifications

Form factor	Desktop pad reader
RFID module	Impinj Gen2X (E-series chipset)
Antenna	Integrated near-field
Read range	Over 100 cm (Impinj M750 tag)
Read speed	250+ tags/second; 70+ tags per scan
Output power	1-30 dB, 30-step adjustable
Frequency	865-868 / 902-928 / 920-925 MHz (region configurable)
Air interface	EPC Class 1 Gen2 / ISO 18000-63
Interfaces	USB Type-C, RJ45 Ethernet, Bluetooth 5.0
Power	USB, DC 8-28 V, or PoE+ (IEEE 802.3at, 25.5 W)
Host support	Windows, Android, iOS
Sealing	IP54
Material	Polycarbonate
Operating temperature	-20 °C to 50 °C (storage -40 °C to 70 °C)
Dimensions	255 x 235 x 18 mm
Weight	Approx. 650 g

Common uses

- Retail checkout stations
- High-value asset control
- Self-service kiosks
- Desktop encoding and verification

Use case: Kiosk checkout station

