

Advanpay 170

POS reader with built-in hard-tag detacher

Overview

Merges two checkout steps into one: it reads the RFID tag, converts the EPC to GTIN and types it straight into the till through a hardware keyboard wedge, then the built-in 11 000 gauss magnet releases the hard tag. No POS software changes are needed. Three colour-coded modes cover payment, return and read-only.



Technical specifications

Air interface	EPCglobal UHF Class 1 Gen2 / ISO 18000-6C
Frequency	FCC 917.4-927.2 MHz; ETSI 865.6-867.6 MHz; Chile, Peru and Brazil by channel selection; open region 859-873 / 915-930 MHz
RF power	0 to +27 dBm, programmable in 0.5 dB steps
Antenna	Integrated circular-polarised near-field; RF confined to avoid stray reads
Max tag read distance	Under 30 cm
Magnet strength	11 000 gauss
Data communications	Ethernet IEEE 802.3 up to 100 Mbps; USB HID barcode emulation
Power supply	PoE, IEEE 802.3af (Type I) and 802.3at (Type II), Class 3
On-board actuators	Buzzer; 2 W output for 8 ohm loudspeaker
LED indicators	Payment (green), return (red), read-only (blue)
Power consumption	Idle under 2.5 W; typical under 4 W at 10 dBm; max under 7 W at 27 dBm
Operating temperature	-20 °C to +50 °C
Dimensions (flush mount)	200 x 200 x 63 mm (7.87 x 7.87 x 2.48 in)

Common uses

- Retail points of sale
- Event registration desks
- Library circulation
- RFID programming
- Verification of tagged items

Use case: Faster checkout with tag removal

