

UHF | RAIN - Self-Service Terminal **CT - KioskID**

- 21.5-inch capacitive touchscreen, Full HD
- UHF | RAIN bulk reading within 50 cm
- HF badge login, optional code reader
- Windows® or Android™, SDK and API provided
- Aluminium frame, 400 × 830 × 78 mm

UHF | RAIN - Self-Service Terminal Issue and return without a staffed counter

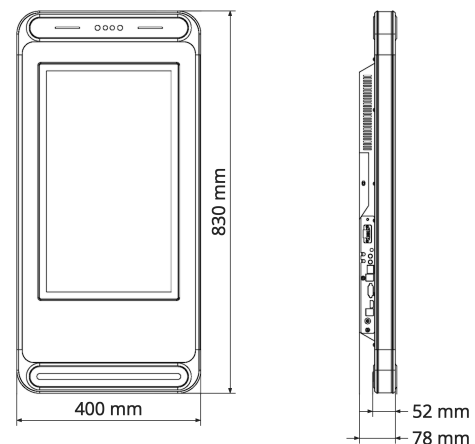
The CT - KioskID is a wall-mounted self-service terminal for the RFID-based issue and return of items. Users identify themselves with their HF badge, hold the items in front of the marked reading zone and complete the transaction on the 21.5-inch capacitive touchscreen with 1920 × 1080 pixels. The integrated UHF | RAIN reader with circularly polarised antenna captures tagged items in bulk within 50 cm of the panel.

The reader supports EPC Class 1 Gen 2 / ISO/IEC 18000-63 as well as ISO/IEC 18000-6B and works on a fixed frequency or with frequency hopping. It captures fewer than 100 tags per read; range and quantity depend on label performance, item material and the number of items. For user identification the terminal has an HF card reader and a dual camera on board; a code reader is available as an option.

The terminal runs Windows® or Android™, and an SDK and API are provided for integration into asset, tool or library management software. It connects via Ethernet and RS232, optionally via Wi-Fi, and runs on 12 V DC at no more than 20 W. Besides the standard UHF | RAIN version, an HF variant is available for HF-tagged items such as library media.

Common Applications

- Tool Issue & Return
- IT Equipment Lending
- Library Self-Service
- PPE & Workwear Issue
- Test Equipment Lending
- File & Records Tracking



TECHNICAL SPECIFICATIONS

Display & Computing

Display	21.5-inch capacitive touchscreen
Resolution	1920 × 1080
Operating System	Windows® or Android™
Windows Platform	Intel® Core™ i5 (4th gen), 8 GB RAM, 128 GB storage
Android Platform	Rockchip RK3399, 4 GB RAM, 32 GB storage
SDK / API	Provided

RFID Interface

Technology	UHF RAIN RFID (HF variant optional)
Supported Standards	EPC Class 1 Gen 2 / ISO/IEC 18000-63, ISO/IEC 18000-6B
Frequency Mode	Fixed frequency or frequency hopping
Antenna	Integrated, circular polarisation
Reading Distance	< 50 cm (application-dependent)
Tag Quantity	< 100 per read (application-dependent)

Operating Conditions

Temperature	-20 to +60 °C (Operating)
Humidity	5% to 95% (Non-condensing)

User Authentication

HF Card Reader	Standard
Dual Camera	Standard
Code Reader	Optional

Host Interface

Network	Ethernet (RJ45)
Serial Port	RS232
Baud Rate	9,600 / 19,200 / 115,200 bps (default), 460,800 bps optional
Wireless	Wi-Fi (optional)

Electrical Characteristics

Power Supply	12 VDC / 5 A
Consumption	≤ 20 W

Physical Characteristics

Dimension	400 × 830 × 78 mm (W × H × D)
Casing	Aluminium frame, acrylic front panel
Mounting	Wall-mounted