

UHF RFID - Self-Service Box

CT - S-WBOX.01

- Bulk reading of tagged items in one step
- 4 UHF antennas around the interior (LARGE)
- Integrated UHF reader, Ethernet / USB to host
- Mobile on castors with hinged lid (LARGE)
- Available in two sizes: LARGE and SMALL



UHF RFID - Self-Service Box

Fast, reliable and fully automated item identification

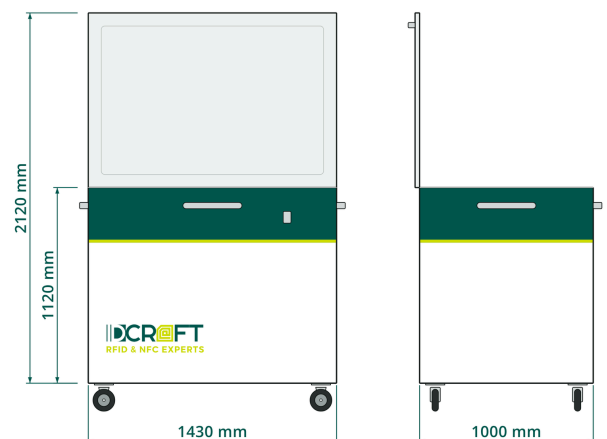
The CT - S-WBOX.01 is a mobile UHF RFID self-service box for fast, reliable and fully automated item identification. Items are simply placed in the box, and the integrated reading system captures the tagged items in a single bulk read – no scanning item by item, less manual handling. Typical uses range from workwear and textile returns to e-Kanban, where collected Kanban cards or empty bins provide the replenishment signal for the host system.

In the LARGE version, four UHF antennas arranged around the interior are connected to the integrated UHF reader. The system reads EPC Gen2 / ISO/IEC 18000-63 transponders in the European 865–868 MHz band and transfers the read data to the host system via Ethernet or USB.

Reader, antennas, power supply and cabling are installed in the box; the PC or kiosk terminal for the user interface is not included. The unit is mobile: the LARGE version runs on four castors and has handles on the front and both sides, so the box goes wherever items are returned or issued. Available as LARGE (1430 × 1000 × 1120 mm) and SMALL (600 × 600 × 600 mm); the antenna type will be defined during the prototype phase.

Common Applications

- E-Kanban Card Collection
- Kanban Bin Return & Replenishment
- Workwear & Uniform Returns
- Hospital & Cleaning Textiles
- PPE Issue & Return
- Rental Item Check-In



TECHNICAL SPECIFICATIONS

RFID

Technology	UHF RFID
Air interface	EPC Gen2 / ISO/IEC 18000-63
Frequency	865-868 MHz (EU)
Reader	Integrated UHF reader
Antennas (LARGE)	4 × UHF, around the interior
Antenna type	Defined during the prototype phase
Reading mode	Bulk reading inside the box

Interfaces

Host interface	Ethernet / USB
Host system	PC / kiosk terminal (not included)

Status

Data status	Preliminary – subject to change
Images	Visualisation – final design may differ

Mechanical

Construction	Mobile unit
Castors (LARGE)	4
Lid (LARGE)	Hinged, top opening
Handles (LARGE)	Front and both sides
Height, lid open (LARGE)	2120 mm

Models

S-WBOX.01 LARGE	1430 × 1000 × 1120 mm (L × W × H)
S-WBOX.01 SMALL	600 × 600 × 600 mm (L × W × H)

Scope of Supply

Included	Box, UHF reader, antennas, power supply, cabling
Not included	PC / kiosk terminal