Technology Solutions for Retail

RFID Surgical Uniform Return Cabinet CA-MCR





The CA-MCR is a smart cabinet for managing the return of surgical uniforms (and surgical shoes). This self-service unit uses UHF RFID identification to process garments from medical and nursing staff. Returned uniforms are matched using unique RFID numbers, reducing omissions and losses. From the drop-off point to final processing at the handling center, information is traceable throughout the garment life cycle, improving work accuracy and process efficiency.

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Features

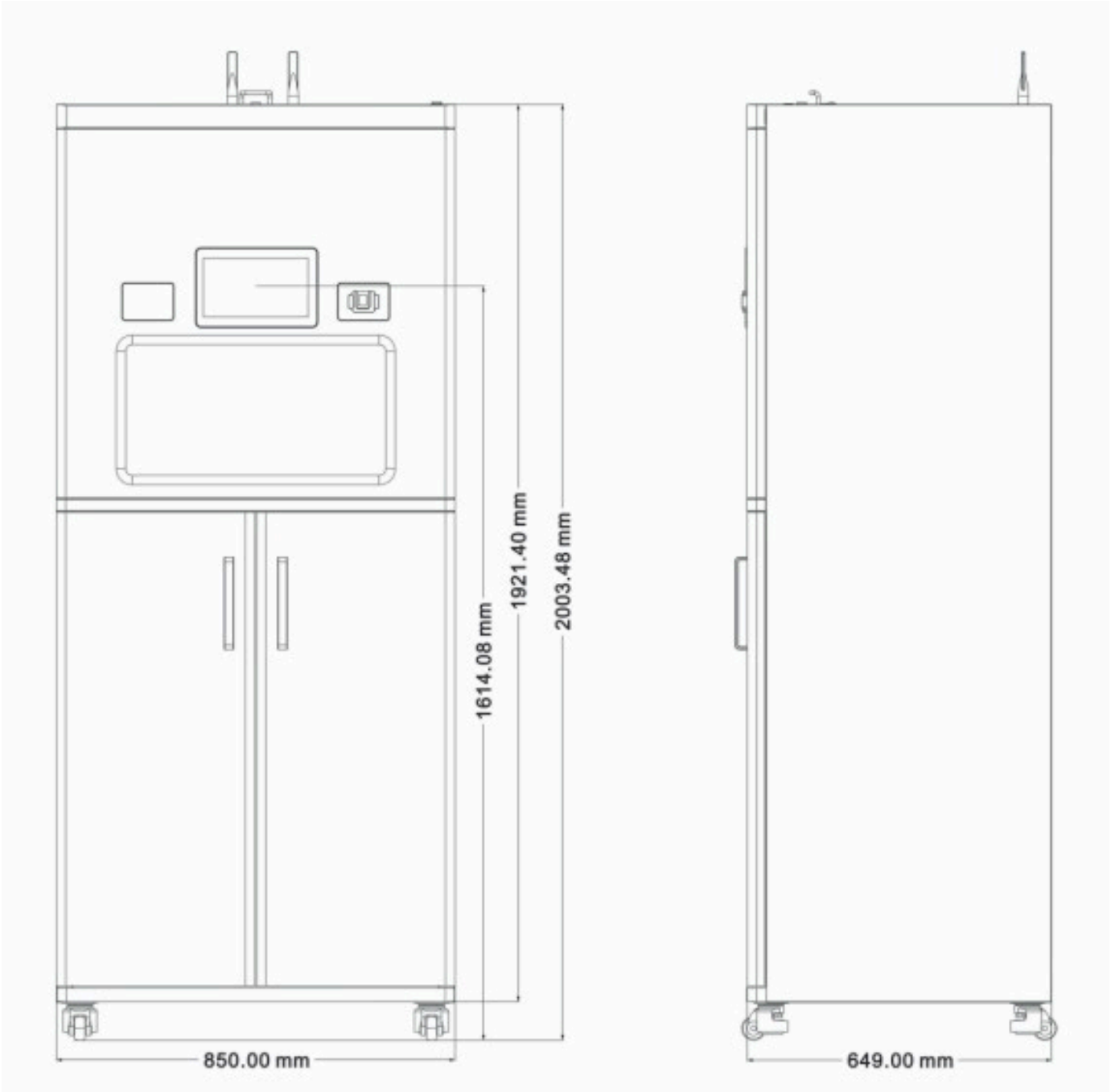
- **Convenience and speed:** the drop-and-go system saves time on manual logging.
- **Large capacity:** holds 50 sets of surgical uniforms or 40 pairs of surgical shoes.

Technical specifications

Main Specifications	
Model	CA-MCR
Performance specifications	
Operating System	Windows (optional for Android).
Industrial Computer	I5, 4G+128GB (RK3399, 4G+16GB).
Identification Technology	RFID (UHF).
Physical Specifications	
External Dimensions	850 mm (L) × 649 mm (W) × 2004 mm (H).
Material	1.2 mm thick carbon steel.
Screen	10.1-inch touchscreen, 1366 × 768 resolution, 16:9 aspect ratio.
Internal Structure	Hangers and 2 replaceable baskets.
Capacity	50 sets of surgical uniforms or 40 pairs of surgical shoes.
Communication Interface	Ethernet.
Movement/Fixation Method	Wheels and adjusters on the base.
UHF RFID	
Frequency Range	840 MHz - 960 MHz.
Protocol	ISO 18000-6C (EPC C1 G2).
RFID chip	Impinj R2000.
Identification, permissions and optional functions	
NFC	Standard.
Fingerprints	Optional.
Facial Recognition Camera	Optional.
Power	
Power Input	AC220V, 50Hz.
Nominal Power	≤300W.
Development support	
SDK	Included at no additional cost.
Programming Languages	JAVA, C#.
Operating environment	
Working Temperature	0~60°C.
Working Humidity	10%RH~90%RH.
Optional	
Security Camera	Optional
Wi-Fi	Optional

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Dimensions



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