



u·Clean COMPACT

A small form factor cleaning robot – ideal for small to medium sized facilities and their cleaning needs



4 in 1 cleaning robot; able to do **scrubbing, mopping, sweeping and vacuuming**



Compact design allows the robot to clean narrow aisles or under tables



0 cm Edge Cleaning to maximize the cleaning coverage



Human Safety and **Data Privacy** prioritized with highly sensitive sensor technology and certificates

VERSION: EN-1-1-6-2403-1.0

uClean Compact



Floor Recognition



No-Code Software user interfaces



Easy Maintenance of cleaning components



Task Management



Online Dashboard over mobile app or cloud platform



Door and Elevator Management enabling easy control and utilization of existing automated systems



Interoperability with other AMR / AGV (VDA5050 ready)*

Real-time Operation data (Creating 3D Point Cloud)*

uClean Compact adapts seamlessly to your facilities cleaning needs thanks to its unique 4-1 combination of cleaning methods. Due to its small form factor, uClean Compact can reach under any table and it can pass through narrow aisles. uClean Compact helps keep your facilities clean and relieves your employees from mundane floor cleaning activities

Basic Functions / Equipment

- 4-1 Cleaning Robot
- Small Design and 0 cm Edge Cleaning
- Embedded Screen
- Safety 2D LiDAR
- Buzzer & Bumper
- Floor Recognition
- Camera
- Speakers
- LED Lights
- Wireless charging

Technical Specifications

Dimensions

Length	540 mm
Width	440 mm
Height	617 mm

Working Environment

Operating Temperature	0°C - +40°C
Operating Humidity	20% - 75% non-condensing
Sound Volume	65 dB
Max. Mapping Area	≤ 5,000 m ² (max. 2,000 m ² for one task)

Storage Conditions

Temperature	-30°C - +75°C
Humidity	Max. 93% non-condensing

Navigation

Max. Speed	≤ 0.8 m/s
Min. Space Width	600 mm
Min. U-turn Width	750 mm
Passability Slope	≤ 8°
Gap Crossing	Max. 20 mm
Obstacle Height	Max. 17 mm

Working Widths during Cleaning

Scrubbing	330 mm
Vacuuming	410 mm
Sweeping	410 mm
Mopping	330 mm

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Power	Input Voltage	28V DC
Charger	Input Voltage	100 – 240 V AC
	Input Frequency	50 – 60 Hz
Wireless Charging System (optional)	Dimensions	200 × 350 × 690 mm
	Weight	9 kg
	Working Temperature	0°C – 45°C
	Working Humidity	20% – 75%
	Storage Temperature	-30°C – 70°C
	Storage Humidity	20% – 95%
	Input Voltage (AC)	100 – 240 V
	Input Current (AC)	10 A
	Input Power	1,000 W
	Output Voltage (DC)	28 V
	Output Current (AC)	25 A
	Output Power	735 W
	Min. Installation Space	1,600 × 800 × 1,000 mm
Scrubbing	Brush Pressure	6 kg
	Disc Brush	No
	Clean Water Tank Capacity	11.5 L
	Recovery Water Tank Capacity	10.5 L
	Squeegee Width	490 mm
	Filtration Function	No
Vacuuming	Max. Vacuum Pressure	16 Kpa
	Dust Bag	6 L
Sweeping	Side Brush	Yes (1× Side Brush)
	Roller Brush	Yes (2× Roller Brush)
	Roller Brush Cleaning Width	330 mm
	Trash Box	0.7 L
Mopping	Mopping width	330 mm

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Weight (empty, incl. battery)	53 kg
Cleaning efficiency	250 –5700 m ² /h
Min Cleaning distance from Wall	0 mm
Cleanable Surfaces	PVC Plastic, Artificial Marble, Epoxy, Smooth Concrete/Cement, Ceramic Tiles, Carpet, Hardwood, Nylon, Olefin Polyester and Belgian Bluestone
Battery	Model: Topband Type: LFP Battery Battery Capacity: 40 Ah Charging Time: 2 hours Operation Time: 4 h (scrubbing / vacuuming) 14 h (sweeping) 10 h (mopping)
Radio Module (Protocols)	802.11n/ac 2X2 MU-MIMO 2.4GHz/5GHz Wifi & Bluetooth Low Energy 5.x 2/3/4G, Lora
International Product Compliance	CB, CE, UKCA, UL
Product Safety Compliance	Machine Directive EN ISO 12100:2010 EN 60335-2-72:2012 EN 60335-1:2012+A11:2014 +A13:2017 + A1:2019 +A14:2019+A2:2019 + A15:2021 EN 62233:2008 EN ISO 13849-1:2015 EN ISO 13849-2:2012 Risk Assessment & Design

Electromagnetic Compatibility (EMC)	EMC Directive IEC 61000-6-1: 2019 IEC 61000-6-3: 2021
Radio Certification	Radio equipment directive EN 300 220-1 V3.1.1, EN 300 220-2 V3.1.1 EN 300 328 V2.2.2, EN 300 440 V2.2.1 EN 301 489-1 V2.2.3, EN 301 489-3 V2.1.1, EN 301 489-17 V3.2.4 EN 301 489-52 V1.2.1 EN 301 511 V12.5.1, EN 301 893 V2.1.1 EN 301 908-13 V13.1.1, EN 301 908-1 V15.1.1 EN IEC 62311:2020
IP Rating	IPX3
Insulated hoses for cleaning equipment	ISO 13849 compliant
Environmental Management Compliance	ISO 14001
Occupational Safety	ISO 45001
Hazard Classification	
IT Safety Compliance	ISO 27001:2013 ISO 27701
Charger Safety Compliance	Low voltage directive IEC 60335-2-29: 2016+A IEC 60335-1: 2010+A1+A2
Battery Safety Compliance	Topbrand manufacturer certification IEC62133-2:2017, UN38.3
Network Communications	Restful APIs

Product Views



uClean Compact

Product Views

