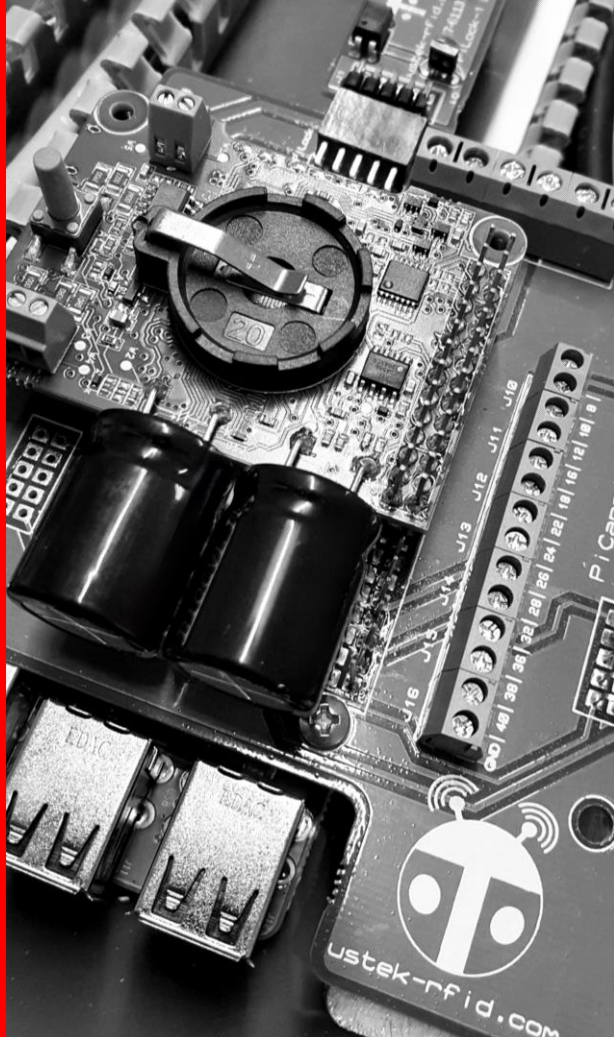# USTEK EQUIPMENT PORTFOLIO

UHF RFID STATIONS AND DEVICES FOR LINEN, GARMENT & ASSET TRACKING SOLUTIONS. DESIGNED, DEVELOPED AND MANUFACTURED BY USTEK RFID.

USTEK RFID: EXPERTISE

IN-HOUSE DESIGN & DEVELOPMENT
All products are designed and developed by expert USTEK engineers and manufactured in-house in Istanbul, Turkey.
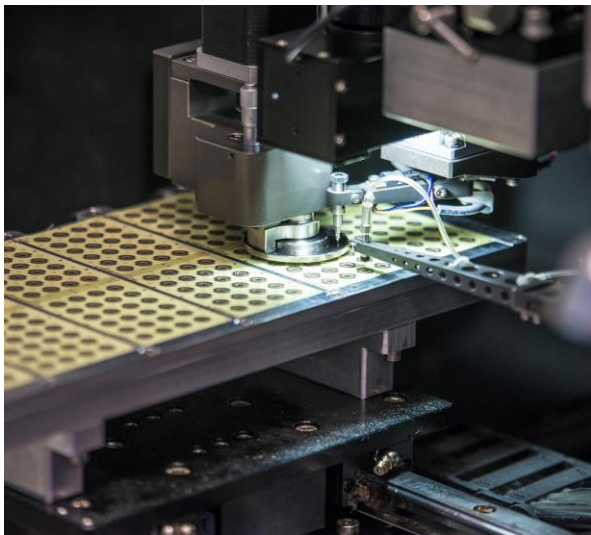

TURN KEY SOLUTION
Ustek provides an integrated solution where all the three components; tags, readers, and software are designed and produced under one roof; ensuring successful results.
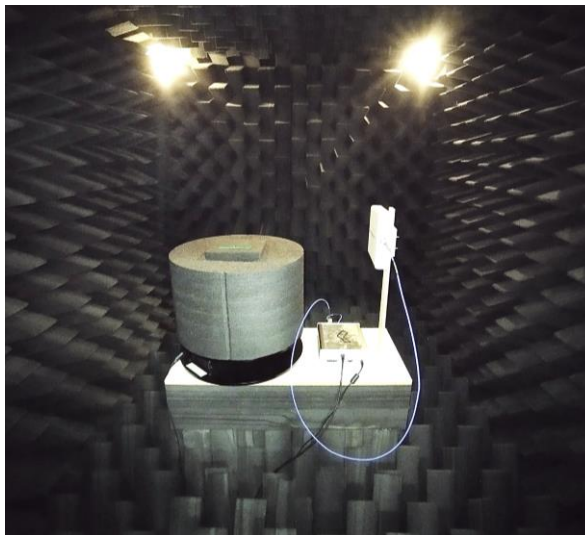

INNOVATION ORIENTED
We constantly track and experiment with new technologies. We design specialty UHF RFID tags and terminals for different sectors with varying requirements.

USTEK RFID: CAPABILITIES

ANSYS LICENSE
USTEK is a licensed user of ANSYS with full capability of High Frequency Electromagnetic Field Simulation.

ANECHOIC CHAMBER
We utilize our in-house anechoic chamber to benchmark our products' performance and monitor production quality.

SEMICONDUCTOR ASSEMBLY
In house high precision, high-performance chip-on-board assembly line for semiconductor assembly.

PASSPORTAL: UHF RFID PASS-THRU PORTAL

Passportal is a compact trolley reading solution for textile tracking.

PASSPORTAL

- Superior performance on a small footprint, plug-and-play device with a smart price.
- Passportal 456 is also the best choice for laundries looking to extend textile tracking from laundry premises to the customer side. It comes with an embedded touchscreen PC and an embedded thermal printer for printing records.
- Readily integrated with the RFTT (Radio Frequency Textile Tracking) system and multiple software options.
- Standard model is designed to handle trolleys up to 80 cm (31.5'') wide (customization is possible).
- Equipped with a sound signal, the operator is informed about the reading progress and optimum read performance is achieved at a standard walking pace and can be monitored live via RFTT integration.

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UPASS: UHF RFID PASS-THRU PORTAL

UPass is the revolutionary UHF RFID reader terminal that provides unhindered scanning performance on-the-go.

UPASS

- Special design that isolates and maintains a reading area inside the terminal; minimal leakage from outside.
- High sensitivity reader and cutting edge antennas; excellent read accuracy.
- Ideal solution for tight and congested storage and dispatch areas.
- Optimized for standard walking speed.
- Sound & light signals to notify read status.
- RFTT Service Software for easy integration to 3rd Party ERP systems.
- Additional software modules are available.

Options:

UPASS 300 Solo (300x96x208 cm) – Pass Though Portal
UPASS 300 EP (300x105x208 cm) – Pass Through Portal sized to accommodate passage of pallets
UPASS 268 GS (268x96x208 cm) – Gate control on both sides, sensors to monitor operator location, 11" touch screen, card reader and more. Ideal for storage space and staff/article registration management.

PACKMAN: UHF RFID TABLETOP READING UNIT

Packman is a table form terminal for checking, packing and labelling.

PACKMAN

- Table form reading unit to check stack of items.
- Fast, simple, accurate and cost effective.
- Built-in computer and ribbon/thermal printer enables stand-alone use.
- For type, owner, quantity, rewash status, wash count and more. It is capable of managing owned linen, rental (pool and dedicated) and untagged linen.
- Automatic detection of operating employee ID.
- Optional sorting software to sort and label items by owner, user, department and type.
- Packman 40: 90 x 70 x 85 (h) cm
- Packman 60: 128 x 96 x 85 (h) cm

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PACKTOP: UHF RFID COMPACT READING TERMINAL

Packtop is a compact reading terminal to be installed on existing furniture, equipment and/or conveyors.

PACKTOP

- Complete station and peripherals to be installed on existing furniture.
- Fast, simple, accurate and cost-effective.
- Embedded GPIO board facilitating sensor, trigger integration, automation.
- For type, owner, quantity, rewash status, wash count and more. It is capable of managing owned linen, rental (pool and dedicated) and untagged linen.
- Automatic detection of operating employee ID.
- Optional sorting software to sort and label items by owner, user, department and type.

UCAB: UHF RFID SMART CABINET

UCab is a smart cabinet system for garment, linen and asset management.

UCAB

- UCab Dispense for effective, self-service, autonomous article distribution.
- De-centralized, 24/7 online service network to prevent bottlenecks.
- Modular structure allowing multiple users simultaneously.
- UHF, HF, NFC, LF user card read to unlock.
- User credit deduction, email/SMS triggers/alarms.
- Loss prevention via automated user registration & identification.
- UCab Collect for effective, de-centralized soiled collection.
- Upon item return, automatic de-registration and credit replacement.
- Online content monitoring - inventory optimization.
- Online stock tracking system.

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PEDESTAL: UHF RFID TERMINAL FOR CHECK-IN

Pedestal is a compact reader terminal suitable for workwear and safety equipment compliance monitoring.

PEDESTAL

- Compact UHF RFID Terminal suited for monitoring workwear and safety equipment compliance.
- Front face is segmented into 4 zones, each zone looking to detect pre-determined article types.
- Upon detection, the corresponding zone lights up. The aim is to verify the presence of all compliant articles and light up all zones before entry to production/operation area.
- Typically the top zone scans to detect a hood/head gear; the middle zone, a coverall; and the bottom left and right zones, boots. All sensors are programmable for specific articles and conditions, as needed.

SECURIPORT: UHF RFID SECURITY READER

Securiport is an integrated reader unit to monitor critical areas

SECURIPORT

- Securiport is designed to monitor article movements at customer exit locations; main entrances, spa/fitness passages, staff exits and/or garbage collection areas.
- It is suitable for upscale environments due to its sleek design and minimal cabling requirements.
- Ethernet and WiFi communication options present installation flexibility.
- On-board LED indicators and optional buzzer facilitate visual monitoring.
- Data is integrated with RFTT Cloud and available for online reporting. Email notifications are also possible. Desktop apps/pop-ups for nearby computers are available.

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UTURN

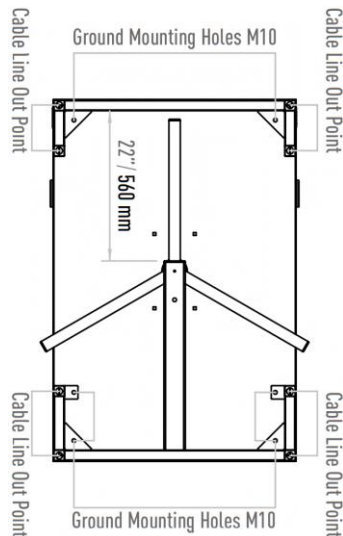UTurn is a card-activated access control turnstile.

UTURN

- Access control device.
- Tripod turnstile equipped with RFID card readers (UHF, HF, LF).
- Two modes of operation are available: one-way for entry only; or two-way for entry and exit.
- Integration with RFTT database to log entry data (optional).
- Drop-off turnstile arm function when/if triggered during an emergency.
- Positive sound feedback on valid card or negative reject sound.

UTURN 113

UTurn 113: Full Height Turnstile Access Control Device

UTURN 113

- UTurn 113 is a full height access control device that offers adjustable manual passage to either direction, with the option for motorized operation.

- The UTurn 113 provides passage information and allows the user to set passage time. It features memory mode to retain previous settings, adjustable audio warning, and remote controlled passage direction and enable feature. In case of emergency, the arms allow free passage when triggered.

- The device is equipped with tempered steel and zinc coating for enhanced durability. It features a fail-safe mechanism that allows free passage during power failure, with an optional fail lock for added security.

- Constructed from 1.5 mm thick AISI 304 quality stainless steel chassis, with optional AISI 316 quality available. The chassis is electrostatic powder coated with various color options. The device consists of 3 wings and 10 arms, all made from AISI 304 quality stainless steel, with optional AISI 316 quality available. The wings and arms are also electrostatic powder coated with various color options.

UPARK: UHF RFID SMART SOILED COLLECTION

UPark is a smart trolley cabinet for collecting soiled garment and linen.
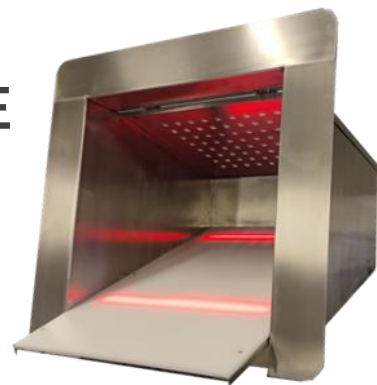

UPARK

- UPark is a solution for effective and de-centralized soiled collections.
- UPark is designed for real-time management and tracking of on-premise soiled collection.
- Upon item return, automatic de-registration and credit replacement.
- Holds one standard size laundry trolley inside. Custom sizes are available.
- UPark has a swivel gate for free soiled drop, reading articles as they enter.
- Fully integrated into RFTT, our industrial laundry based linen management software ecosystem, UPark helps monitor soiled collection articles.
- Online content monitoring - inventory optimization.

WALLDROP: UHF RFID SOILED COLLECTION DEVICE

Walldrop is a soiled collection and monitoring device.

WALLDROP

- Designed to be installed on wall openings/horizontal shoots.
- Articles are read as the wearer drops them through the opening.
- All detected articles' status is updated as "Soiled in Storage". Actions are programmable.
- Swivel gate with silicone gaskets to maintain pressure differential between clean and soiled zones is available.
- Designed to be mounted directly on walls.
- Customs sizes are available.

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AUXILARY READER

Auxilary Reader is a compact reading terminal to be installed to complement data collection.

AUXILARY READER

- Complete station and peripherals to be installed on critical points of the process flow to supplement data collection
- Fast, simple, accurate and cost-effective.
- Embedded GPIO board facilitating sensor, trigger integration, automation.
- 4 customizable antennas
- Suitable for area scans, ceilings, conveyors, loading ramps, bag systems etc.
- Ideal for complementary soiled reads.

AUTOSORT

Autosort is a customizable reader/antenna system for in-line sorting.

AUTOSORT

- Embedded reader and processor with machine-specific antennas to sort while folding.
- Hardware embedded in folding machine to identify articles during folding
- Yes tag, no tag function; articles without/unreadable tags are sorted into a reject pile.
- Sorting and stacks can be modified per customer/article information for linen and terry articles.
- Integration with 3rd party database or on-board database is possible.
- Taps into the existing sensor infrastructure of the ironer/folder.
- Different integration protocols are available for different machine models and manufacturers.

UDROP

UDrop is a soiled collection and monitoring device.

UDROP

- Designed as a laundry car docking unit.
- Articles are read as the wearer drops them into the cart.
- All detected articles' statuses are updated as "Soiled in Storage" or "Rewash Item". All actions are programmable.
- Custom sizes to accomadate different carts are possible.
- Available as a wall-mounted unit or a freestanding unit on casters.

UCAROUSEL

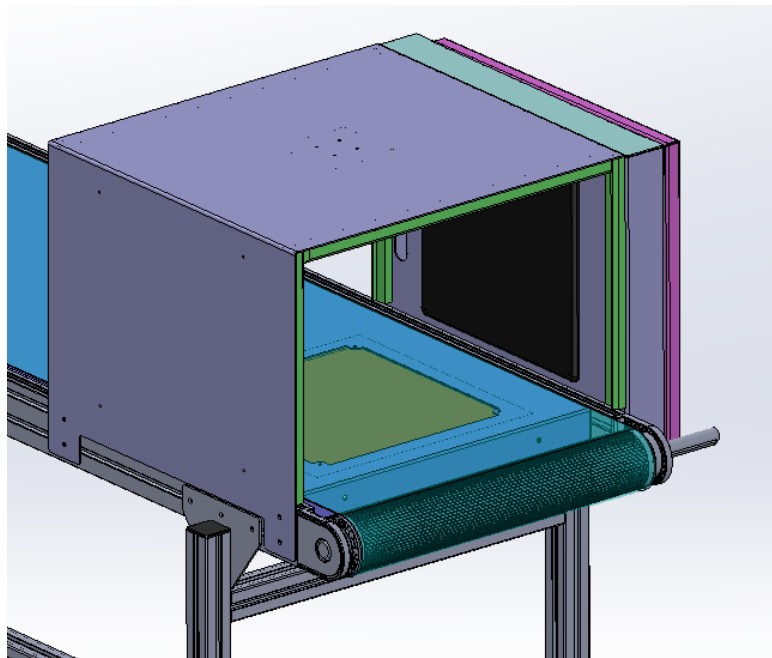UCarousel is an RFID based uniform distribution system.

UCAROUSEL

- Automated multi-slot garment dispenser.
- Dynamic slot distribution, one employee per slot.
- Standard unit with 400 slot capacity.
- Multiple, integrated units working in parallel for increased capacity.
- Employee badge/card or pass code activated.
- Carousel automatically aligns corresponding garment in position for pick up and opens the gates to allow access.
- Uniforms are loaded on the carousel by reading RFID tag information and manually hanging on slots. Speed loading mode available.
- Ideal for dedicated garment distribution management.

UCON

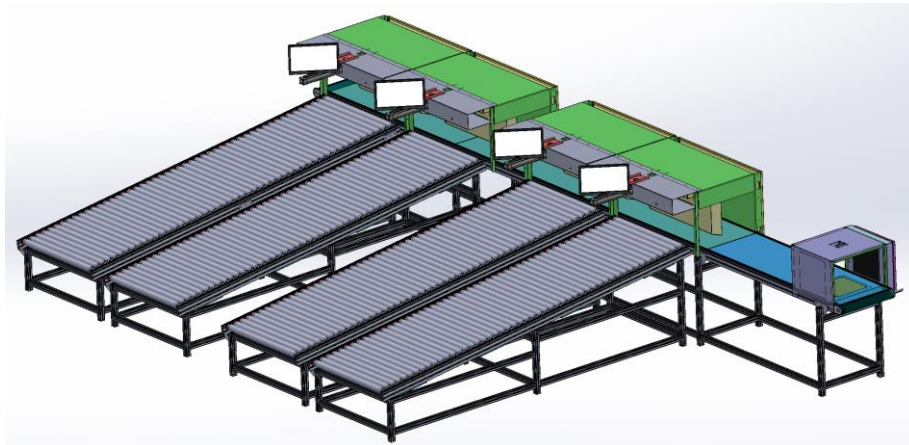UCon is a pass-thru UHF portal for conveyors.

UCON

- Pass-thru reading unit for conveyors to check stack of items.
- Extremely accurate, compact design with minimum- to no-stray reading.
- Can be customized to fit over existing conveyors.
- Built-in computer and 15.6" touchscreen enables stand-alone use.
- For checking type, owner, quantity, rewash status, wash count and more. It is capable of managing owned linen, rental (pool and dedicated) and untagged linen.
- Optional: USort hardware to sort and label items by owner, user, department and type and monitor their position, can be installed.

USORT

USort is a UHF RFID based sorting system.

USORT

- Conveyor system with multiple sorting conveyors to separate stacks.
- Extremely accurate, compact conveyor reader (UCon) with minimum- to no-stray reading.
- Can be customized to fit over existing conveyor systems.
- Built-in computer and touchscreen on UCon to monitor stack integrity.
- Built-in computer and touchscreen on sorting conveyors to monitor stack ID and position live.
- For checking type, owner, quantity, rewash status, wash count and more. It is capable of managing owned linen, rental (pool and dedicated) and untagged linen.

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US50 AIR: UHF RFID MOBILE READER

Powerful UHF mobile reader with an on-board touchscreen and processor.

US50 AIR

- Powerful mobile reader with an embedded screen and Android OS.
- Industrial-grade components ensure stable operation in harsh environments.
- Pistol style, swappable battery system.
- Offering the best performance and excellent multi-tag identification ability in the industry.
- Mobile readers can be used for area reads, item detection, inventory update reads and more.
- Various software bundles are available in Google store.
- Wi-fi, Bluetooth and Mobile networks.

DETAILS	
Dimensions	167 x 82 x 129mm / Grip 111 x 38 x 47mm
Weight	580 g (battery included/standard version)
Materials	CNC aluminum, PC + ABS (SABIC)
Frequency	865-868MHz ETSI (Lower) 902-928MHz FHSS (Upper)

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US30: UHF RFID MOBILE READER

Powerful UHF mobile reader with a cradle.

US30

- Powerful mobile reader with a cradle.
- Connects to Android phones via Bluetooth.
- Practical and secure design for fixing the phone.
- Industrial-grade components ensure stable operation in harsh environments.
- Pistol style, swappable battery system.
- Offering the best performance and excellent multi-tag identification ability in the industry.
- Mobile readers can be used for area reads, item detection, inventory updates and more.
- Various software bundles are available in Google store.

DETAILS	
Dimensions	162 x138 x 78 mm
Weight	520 g (battery included/standard version)
Materials	Aviation Aluminum, PC + ABS
Frequency	865-868MHz -ETSI (Lower) 902-928MHz -FHSS (Upper)

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USTERMINAL

USterminal is a UHF RFID reader enabled automation control device.

USTERMINAL

- USterminal is an all-in-one UHF RFID reader solution that includes a single board computer and a 4 port or 8 port high-performance UHF RFID reader.
- On board hard drive facilitates near instant query and database access.
- Supporting a global frequency range of 860-930 MHz, USterminal is capable of reading hundreds of tags per second at a distance greater than 10 meters depending on the type of tag and antenna preferred.
- 3 channel relay(220VAC ,1 A), 5 channel digital input, 4 channel digital output (24VDC).

DETAILS	
Dimensions	250 x 206 x 44 mm
Weight	800 g
Operation Frequency	865-868MHz ETSI (Lower) 902-928MHz FHSS (Upper)

USREADER: POE UHF RFID READER

USreader is a POE UHF reader streamlined for multiple reader solutions.

USREADER

- USreader is a high performance, 4-port UHF RFID reader in a low profile enclosure. Built around the Impinj M700 reader module, the device reads more than 200 UHF RFID tags per second.
- Integrated power and communication solution via POE port, delivering a maximum RF power of 31.5 dBm.
- Integrated buzzer and LED notification options.
- With its easy integration, simplicity, robust nature and low cost; USreader is the ideal device for item reading during quality and quantity checks in various UHF RFID applications.
- Suitable for solutions based on distributed reader platforms.

DETAILS	
Dimensions	151 x 105 x 30 mm
Weight	400 g
Operation Frequency	865-868MHz ETSI (Lower) 902-928MHz FHSS (Upper)

USTOP: UHF RFID READER TERMINAL

UStop is a compact, desktop UHF reader.

USTOP

- UStop is a desktop reading solution with a plug-and-play compact design.
- It is easily connected to the computer via USB, no installation is necessary.
- Suitable for reading single or multiple items quickly.
- Models range from budget-friendly - UStop Lite to high-performance - UStop Pro.

DETAILS	
Dimensions	150 x 130 x 2.7 mm
Weight	240 g
Max Power	5 V, 580 mA @23 dBm
Operation Frequency	865-868MHz ETSI (Lower) 902-928 MHz FHSS (Upper)

R700 : UHF RFID FIXED READER

R700

- The Impinj R700 reader is designed to support enterprise RAIN deployments that need industry-leading performance, enterprise-grade reliability and security, and support for next-gen RAIN tags.
- Best Receive Sensitivity empowers faster, more accurate reads at lower transmit power to better control read zone
- Fast Connection to IoT Applications—Gigabit Ethernet connectivity prevents data bottlenecks and lowers latency.
- Built to Withstand Tough Environments—Ruggedized cast aluminum enclosure withstands shock; ISO IP54 water-resistant case available.
- 4 port antenna connections.

DETAILS	
Dimensions	21.4 x 14.9 x 3.0 cm (Without brackets.)
Weight	0.96 kg
Materials	Die-cast Aluminum
Frequency	865-868MHz ETSI (Lower) 902-928MHz FHSS (Upper) 916-918MHz EU 2018/ 1538 (Upper)

R220 : UHF RFID MOBILE READER

R220

- Impinj Speedway R220 is a 2 antenna port RFID reader that offers excellent read performance.
- Able to maintain high read rates regardless of RF noise or interference as the readers adapt automatically for optimal functionality
- Accurate RFID reading capability in harsh environments, high transit speeds and congested layouts.
- 2 antenna ports (RP-TNC).

DETAILS	
Dimensions	167 x 82 x 129mm / Grip 111 x 38 x 47mm
Weight	580 g (battery included/standard version)
Materials	CNC aluminum, PC + ABS (SABIC)
Frequency	865-868MHz ETSI (Lower) 902-928MHz FHSS (Upper)

CONTACT US

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