

R6

UHF Sled Reader



R6 is a new UHF back clip product from Chainway, featuring the Cortex-M3 STM32 processor with excellent working performance. The device can be used with any Android and IOS device as a host. The device combines powerful UHF (Read and write) functions with 2D scanning for greater sensitivity. R6 equipped with a host is widely used in clothing inventory, warehouse management, vehicle management, financial management and other fields.



RFID UHF



1D/2D



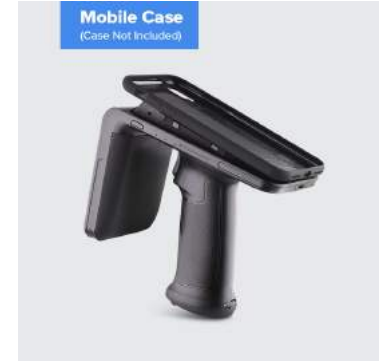
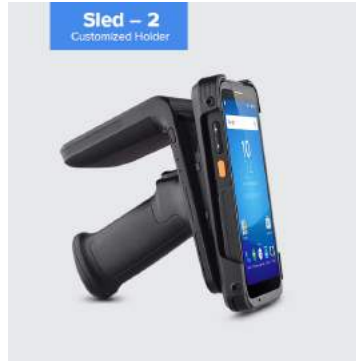
BLUETOOTH



USB



R6 Specifications



Physical Characteristics	
Dimensions	143*76*140
Weight	483gr
Power	Battery specification: 5200 mAh removable battery Standby: over 70 hours (keeping bluetooth connected) Continuous use: up to 6 hours (UHF reading) Charging time: 3-4 hours (with standard adaptor and USB Cable)
Communication	Bluetooth 4.0, BLE
Interfaces	USB 3.0 Type-C
Indicators	Power Led, Activity LED, Bluetooth LED, Buzzer
Size of adapted Phone	Sled Reader: Width 68-80 mm, thickness: within 22 mm Others: Based on phone case or holder

Performance	
CPU	Cortex M3

Developing Environment	
SDK	Android and IOS

Communication	
Bluetooth	Bluetooth 4.0 BLE

User Environment	
Operating Temp.	-20°C to 50°C
Storage Temp.	-40°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.5m drops to the concrete across the operating temperature range
Sealing	IP54 per IEC sealing specifications
ESD	15KV air discharge, ±8KV conductive discharge

RFID UHF	
Engine	CM710-1 module based on Impinj E710 CM2000-1 module based on Impinj Indy R2000
Frequency	865MHz-868MHz
Protocol	EPC C1 GEN2 / ISO18000-6C
Power	1W (30dBm, support +5-+30dBm adjustable) 2W Optional (33dBm, for Latin America, etc.)
Antenna	Circular Polarized Antenna (3dBic)
Read/Write Range	Up to 10m (open outdoors)

(* Read/write Range and Reading Rates depend on tags and environments. Tested with Impinj MR6 tag

Barcode Scanning (Optional)	
2D Scan Engine	Zebra SE2707
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, MSI, RSS, etc. PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.
2D Symbolologies	

TechSigno srl is an independent company that build RFID system and intelligent objects for multimedia, industrial, transportation, medical, and wireless applications. Working closely with our customers, we meet the specific made-to-order demands of our customer to achieve maximum functionality, efficiency, reliability and therefore satisfaction.

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