



Product Catalogue

Data Collection Device Manufacturer and Solution Provider



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CHAINWAY

As a leading "Internet of Things" company in China, Shenzhen Chainway Information Technology Co., Ltd is a professional provider of products and solutions of RFID, barcode and biometrics technologies. We are dedicated to helping clients of all industries enhance efficiency, maximize productivity and reduce operational cost.



Handheld Computers



Handheld RFID Readers



Wearable RFID Readers



Fixed RFID Readers



Printers



UHF RFID Modules



Rugged Tablet



Biometric Readers



Mobile Computers

MC50 / MC95 / C66 / C90 / C71 /
C61 / MC62 / MC21 / C6000



Industrial Tablets

P100 / P100S / P80



MC50 Handheld Computer (5G)

Operating System	Android 12
CPU	Octa-core, 2.0GHz
RAM+ROM	4GB + 64GB / 6GB + 128GB
Dimensions	161.0 x 77.8 x 15.5mm
Display	6-inch Display (1440 x 720)
Battery	5000mAh Removable Main Battery Support QC3.0 and RTC
Sealing	1.5m Drop / IP67
Communication	WWAN:5G; Wi-Fi 6-ready; Bluetooth 5.1; 2*2 MIMO
Functions	Barcode Scanning / NFC / Camera / UHF Sled (some are optional)



MC95 Handheld Computer

Operating System	Android 12
CPU	Octa-core, 2.0GHz
RAM+ROM	4GB + 64GB
Dimensions	160.0 x 75.0 x 16.4mm
Display	5.5-inch Display (1440 x 720)
Battery	5000mAh Removable Main Battery, Support quick charge
Sealing	1.5m Drop / IP68
Functions	Barcode Scanning / NFC / Camera (some are optional)



C66 Handheld Computer

Operating System / CPU / RAM+ROM	Android 11 / 13 Octa-core, 2.0GHz 3GB + 32GB / 4GB + 64GB
Dimensions	160.0 x 76.0 x 15.5 / 17.0mm
Display	5.5-inch IPS Display
Battery	4200mAh / 5200mAh Removable Main Battery; Support QC3.0 and RTC, Charging time: Only 2.5 Hours; 5200mAh Optional Pistol Battery
Functions	Barcode Scanning / UHF RFID / Fingerprint Recognition / NFC / Camera (some are optional)
Optional Accessories	Pistol Grip / Vehicle Charge Cradle / Wrist Strap / Rubber Bumper / Screen Protector / Main Battery / Pistol Battery / Charging Cradle / Type C & Pogo Pin I/O Connector / 4-slots Charging Cradle Set / Rugged Rubber Boot with Hand Strap / Belt Clip



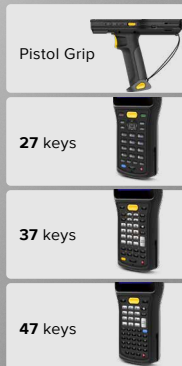
C90 Handheld Computer

Operating System / CPU / RAM+ROM	Android 10 / 14 Octa-core, 2.0GHz 3GB + 32GB / 3GB + 64GB / 4GB + 64GB
Dimensions	158.5 x 76.0 x 13.1mm
Display	5.7-inch IPS LTPS Display
Battery	5000mAh Battery Continuous Use: Over 12 Hours, Charging Time: Only 2.5 Hours
Communication	2.4G / 5G Dual-band Wi-Fi, 4G Network Bluetooth 5.0, BLE
Functions	Barcode Scanning / NFC / Dual Rear Camera + Single Front Camera (some are optional)



C71 Handheld Computer

Operating System	Android 11 / 13
CPU	Octa-core, 2.3GHz
RAM+ROM	3GB + 32GB / 4GB + 64GB
Dimensions	164.2 x 78.8 x 17.0mm
Display	5.2-inch 1080p FHD Display
Battery	5000mAh Battery, Continuous use: over 12 hours, Charging time: only 3-4 hours
Optional Accessories	Charging Cradle / 4-slots Charging Cradle Set / Screen Protector / Rugged Rubber Boot
Functions	Barcode Scanning / Biometric Identification / NFC / HF RFID / PSAM / Camera / Infrared Thermometer (some are optional)



C61 Handheld Computer

Operating System / CPU	Android 11 / 13 Octa-core, 2.0GHz
RAM+ROM	3GB + 32GB / 4GB + 64GB
Dimensions	202.0 x 72.5 x 32.0mm
Keyboard	27 keys / 37 keys / 47 keys
Display	4-inch Display (480 x 800)
Battery	6700mAh Removable Main Battery, Support QC3.0 and RTC, Charging Time: Only 3 Hours, Optional Trigger Handle (Extended 5200mAh Battery), Built in 100mAh Backup Battery, Supporting Battery Hot Swap
Functions	Barcode Scanning / UHF RFID / NFC / Camera (some are optional)
Cold Storage Version	Operating Temp.: -30°C to +50°C



MC62 Handheld Computer

Operating System / CPU RAM+ROM	Android 13 Octa-core, 2.0GHz 4GB + 64GB
Dimensions	163.5 x 67.0 x 17.1mm
Display	4.0-inch Display
Battery	5000mAh removable battery, Support quick charge
Functions	Barcode Scanning / NFC / Camera (some are optional)



MC21 Handheld Computer

Operating System / CPU RAM+ROM	Android 12 Quad-core, 2.0GHz 3GB + 32GB
Dimensions	186.6 x 66.7 x 24.3mm
Display	3.5-inch Display
Battery	5000mAh removable main battery, Support quick charge
Functions	Barcode Scanning / NFC / Camera (some are optional)



C6000 Handheld Computer

Operating System / CPU / RAM+ROM	Android 10 / 13 Octa-core, 2.0GHz 3GB + 32GB
Dimensions	157.6 x 73.7 x 29.0mm
Display	4-inch Display (480 x 800)
Sealing	2m Drop Proof / IP65
Battery	4200mAh Removable Main Battery Continuous Use: over 12 Hours, Charging Time: only 3-4 Hours
Optional Accessories	Pistol / Battery / Charging Cradle / USB Cable / Wrist Strap / Holster / Rugged Rubber Boot
Functions	Barcode Scanning / NFC / Camera (some are optional)



P100 5G Industrial Tablet

Operating System /CPU/ RAM+ROM	Android 14 Octa-core, 2.0GHz 4GB + 64GB / 6GB + 128GB (Optional) / 8GB + 256GB (Optional)
Dimensions	263.5 x 175.0 x 13.5mm
Display	10.95-inch 1920x1200 Display
Battery	10000mAh removable main battery with meter; Support 27W fast charge
Communication	WWAN:5G; Wi-Fi 6; Bluetooth 5.2; 2*2 MIMO; Support Bluetooth headset
Other Functions	Barcode Scanning / NFC / Front and Rear Camera / PSAM (some are optional)



P100S Industrial Tablet

Operating System /CPU/ RAM+ROM	Android 14 Octa-core, 2.2GHz 4GB+64GB / 8GB+256GB
Dimensions	263.5 x 175.0 x 13.5mm
Display	10.95-inch, 1920x1200 / 800nit
Battery	10000mAh removable main battery with meter; Support fast charge
Communication	Wi-Fi 5, Bluetooth 5.2, Wi-Fi 6E (Optional)
Other Functions	Barcode Scanning / NFC / Front and Rear Camera / PSAM (some are optional)



P80 Industrial Tablet

Operating System /CPU/ RAM+ROM	Android 13 Octa-core, 2.0GHz 4GB + 64GB
Dimensions	250.8 x 152.0 x 15.0mm
Display	8-inch 1920 x 1200 Display
Battery	8700mAh Battery
Optional Accessories	Pistol / Mounting Bracket / Wristband / Rugged Rubber Boot / Charging Cradle for Device / Insert for P80 Cradle Cup
Other Functions	Barcode Scanning / NFC / UHF RFID / Fingerprint Recognition / PSAM / Camera (some are optional)



Handheld RFID Readers

MC50UHF / C72 / C5 / C61UHF /
C66UHF / C66 Built-in UHF / C71 Built-in UHF /
R6 / R2 / SR160



RFID Tablet

P80



Wearable RFID Readers

R5 / MR20



Fixed RFID Readers

U300 / UR4 / UR8 / URA4 / UR1A /
R3 / R1



RFID Modules



MC50 Handheld RFID Reader (5G)

Operating System / CPU / RAM+ROM	Android 12 Octa-core, 2.0GHz 4GB + 64GB / 6GB + 128GB (Optional)
Display	6-inch high definition display (18:9), 1440 x 720
Battery	5000mAh removable main battery 5200mAh removable pistol battery with / without Meter (Optional) support QC3.0 and RTC
Communication	WWAN:5G; Bluetooth 5.1; 2*2 MIMO
UHF RFID	CM710-1 Module Based on Impinj E710 Max Read Range: 30m Fastest Read Rate: 1300+ tags/sec (depend on tags and environment)
Other Functions	Barcode Scanning / NFC / Front and Rear Camera (some are optional)



C72 Handheld RFID Reader

Operating System / CPU / RAM+ROM	Android 11 / 13 Octa-core, 2.3GHz 3GB + 32GB / 4GB + 64GB
Dimensions	164.2 x 80.0 x 24.3 mm
Display	5.2-inch 1080p FHD Display
Battery	8000mAh Battery
UHF RFID	CM710-1 Module Based on Impinj E710 Max Read Range: 30m Fastest Read Rate: 1300+ tags/sec (depend on tags and environment)
Functions	Barcode Scanning / NFC / Camera (some are optional)



C5 Handheld RFID Reader

Operating System / CPU / RAM+ROM	Android 11 / 13 Octa-core, 2.3GHz 3GB + 32GB / 4GB + 64GB
Display	5-inch (Fingerprint), 1280 x 720 / 6-inch, 2160 x 1080
Battery	6700mAh / 13400mAh Removable Pistol Battery Built in 100mAh Backup Battery, Supporting Battery Hot Swap
UHF RFID	CM710-1 Module Based on Impinj E710 Max Read Range: 33m Fastest Read Rate: 1300+ tags/sec (depend on tags and environment)
Other Functions	Barcode Scanning / UHF RFID / NFC / Front and Rear Camera / Fingerprint Recognition / PSAM (some are optional)



C61 Handheld RFID Reader

Operating System CPU RAM+ROM	Android 11 / 13 Octa-core, 2.0GHz 3GB + 32GB / 4GB + 64GB
Keyboard	27 keys / 37 keys / 47 keys
Display	4-inch Display (480 x 800)
Battery	6700mAh Removable Main Battery Optional Trigger Handle (Extended 5200mAh Battery) Built in 100mAh Backup Battery, Supporting Battery Hot Swap Support QC3.0 and RTC, Charging Time: Only 3 Hours
UHF RFID	CM710-1 Module Based on Impinj E710 Max Read Range: 30m Fastest Read Rate: 1300+ tags/sec (depend on tags and environment)
Other Functions	Barcode Scanning / NFC / Camera (some are optional)



C66 Handheld RFID Reader

Operating System	Android 11 / 13
CPU	Octa-core, 2.0GHz
RAM+ROM	3GB + 32GB / 4GB + 64GB
Display	5.5-inch IPS Display
Battery	4200mAh Removable Main Battery Optional 5200mAh Pistol Battery Support QC3.0 and RTC Charging Time: Only 2.5 Hours
UHF RFID	CM710-1 Module Based on Impinj E710 Max Read Range: 32m (depend on tags and environment)
Other Functions	Barcode Scanning / NFC / Camera (some are optional)



R6 RFID Sled Reader

SDK	Support Android / iOS
Battery	5200mAh Battery
Wi-Fi	Bluetooth Low Energy (BLE)
UHF RFID	CM710-1 Module Based on Impinj E710 Max Read Range: 31m (depend on tags and environment)
Other Function	Barcode Scanning (optional)



C66 Built-in RFID Reader

Operating System / CPU / RAM+ROM	Android 11 / 13 Octa-core, 2.0GHz 3GB + 32GB / 4GB + 64GB
Dimensions	160.0 x 76.0 x 17.0mm
Display	5.5-inch IPS Display
Battery	5200mAh Removable Main Battery Support QC3.0 and RTC, Charging Time: Only 2.5 Hours
UHF RFID	CM-5N Module Based on Impinj E510 Max Read Range: 2.7m (depend on tags and environment)
Other Functions	Barcode Scanning / NFC / Camera (some are optional)



C71 Built-in RFID Reader

Operating System / CPU / RAM+ROM	Android 11 / 13 Octa-core, 2.3GHz 3GB + 32GB / 4GB + 64GB
Display	5.2-inch 1080p FHD Display
Battery	5000mAh Battery Continuous Use: Over 12 Hours Charging Time: Only 3-4 Hours
UHF RFID	CM-3N Module Based on Impinj E310 Max Read Range: 4m (depend on tags and environment)
Other Functions	Barcode Scanning / NFC / Camera (some are optional)



R2 Bluetooth RFID Reader

SDK	Support Android / iOS
Dimensions	282.0 x 117.5 x 32.0mm
Display	1.77-inch Display, 128 x 160
Battery	5200mAh Battery
Communication	Bluetooth 5.0, BLE
Storage	50000 tags
UHF RFID	CM710-1 Module Based on Impinj E710 Max Read Range: 31m (depend on tags and environment)
Other Function	Barcode Scanning (optional)



SR160 RFID Scanner

Sealing	1.5m Drop Proof
Bluetooth	5.0 (Optional)
UHF RFID	CM-3N Module Based on Impinj E310 Read Range: 7-100cm (adjustable)
Other Function	Barcode Scanning
Modes	Single Barcode Scanning Single UHF RFID Scanning Hybrid Scanning
Comm Methods	USB / RS-232 / Bluetooth



P80 Rugged Tablet

Operating System / CPU / RAM+ROM	Android 13 Octa-core, 2.0GHz 4GB + 64GB
Dimensions	250.8 x 152.0 x 15.0mm
Display	8-inch 1920 x 1200 Display
Battery	8700mAh Battery
Optional Accessories	Pistol / Mounting Bracket / Wristband / Rugged Rubber Boot / Charging Cradle for Device / Insert for P80 Cradle Cup
UHF RFID	CM710-1 Module Based on Impinj E710 Read Range: 10m (Depend on tags and environment)
Other Functions	Barcode Scanning / NFC / PSAM / Camera (some are optional)



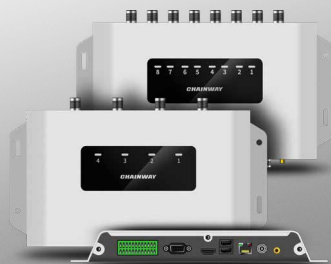
R5 Wearable RFID Reader

SDK	Support Android / iOS
Dimensions	108.0 x 78.0 x 18.0mm
Sealing	IP65 / 1.5m Drop
Battery	2000mAh Removable Battery
Communication	Bluetooth Low Energy (BLE) / USB Type-C
Optional Accessories	Main Battery / Charging Cradle / Charging Cradle for Battery / Wrist strap / Arm Strap / Magnetic Handle
UHF RFID	CM710-1 Module Based on Impinj E710 Max Read Range: 14m (depend on tags and environment)



MR20 Wearable RFID Reader

Dimensions	50.0 x 62.0 x 19.0mm
Weight	64g / 2.26oz. (with glove: 90g / 3.17oz.)
Color	Yellow, Blue, Gray
Battery	1200mAh Removable Battery
Communication	Bluetooth Low Energy (BLE) / USB Type-C
Optional Accessories	Glove, Wristband, Lanyard, Charing Cradle for Battery
UHF RFID	CM-3N Module Based on Impinj E310 Read Range: 80cm (depend on tags and environment)



U300 Fixed RFID Reader (4/8-Port)

Operating System	Android 11
CPU	Quad-Core, 2.0GHz
RAM+ROM	2GB + 16GB
Dimensions	247.0 x 151.0 x 35.0mm
Comm Interface	RS232, RJ45, HDMI
Power Supply	DC / POE / POE+
Antenna Port	4-Port or 8-Port
UHF RFID	Based on Impinj E710



UR4/UR8 Fixed RFID Reader (4/8-Port)

Dimensions	102.8 x 102.8 x 28.0mm
Interface	RS-232, RJ45, GPIO
Power	DC (12V)
Antenna Port	4-Port or 8-Port
UHF RFID	CM710-4 Module Based on Impinj E710 CM510-8 module based on Impinj E510



URA4 Fixed RFID Reader (4-Port)

Operating System / CPU / RAM+ROM	Android 9 Octa-core, 1.8GHz 2GB + 16GB / 3GB + 32GB
Dimensions	214.0 x 148.0 x 30.0mm
Interface	HDMI, RS-232, RJ45, USB 2.0 Type A, USB Type-C, USB Host, GPIO
Wi-Fi	Support 4G / Wi-Fi
Power	DC (12V) / POE / POE+
UHF RFID	CM710-4 Module Based on Impinj E710



UR1A Integrated RFID Reader

Dimensions	270 x 270 x 77mm (9dBi) 130 x 130 x 60mm (6dBi)
Weight	2230g / 78.66oz (9dBi) 620g / 21.87oz (6dBi)
Interface	RS - 232, RJ45, GPIO
UHF RFID	CM710-1 Based on Impinj E710 chip



R3 Desktop RFID Reader

SDK	Support Windows / Android / iOS
Dimensions	318.0 x 318.0 x 20.0mm
Sealing	IP65
Communication	Bluetooth 4.0, BLE, USB Type-C
Power	USB Type-C
UHF RFID	CM310-4 module based on Impinj E310 CM510-4 module based on Impinj E510 Read Range: 0 – 50cm



R1 RFID Reader/Writer

Dimensions	117.0 x 117.0 x 25.0mm
Weight	170g / 6.0oz.
UHF RFID	CM-3N Module Based on Impinj E310 Read Range: 15cm
Other Function	HF RFID
PSAM	Support

UHF RFID Modules

UHF RFID Modules

- Based on Industry-leading Impinj E710 / E510/ E310 Chip
- Excellent Reading Performance
- Strong Stability and Monitoring System
- Superior Heat Dispersion Capacity
- Low Power Consumption
- Outstanding Consistency
- Easy Application Development



Single Port RFID Module

57.2 x 36.8 x 7.6mm

CM710-1 (Impinj E710)
CM510-1 (Impinj E510)
CM310-1 (Impinj E310)



Single Port RFID Module

31.0 x 19.0 x 3.1mm

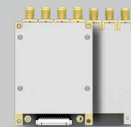
CM-5N (Impinj E510)
CM-3N (Impinj E310)



4-Port RFID Module

77.2 x 51.0 x 8.9mm

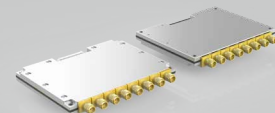
CM710-4 (Impinj E710)



8-Port RFID Module

93.0 x 79.8 x 8.9mm

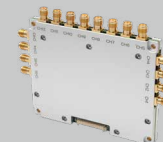
CM710-8 (Impinj E710)



16-Port RFID Module

112.2 x 88.6 x 8.8mm

CM710-16 (Impinj E710)



Printers



CP30 RFID Printer

Dimensions	293.0 × 237.0 × 180.0mm
RAM+Flash	128MB + 256MB
Display	3.5" TFT Color Touch Panel LCD
Printing Method	Thermal transfer / Direct thermal
Resolution	203dpi / 300dpi
Max. Printing Speed	8ips (203dpi) / 6ips (300dpi)
Interfaces	Standard: USB, USB host, Ethernet Optional: Wi-Fi, Bluetooth
UHF RFID	Module based on the Impinj E-series chip



CP20 Barcode Printer

Dimensions	282mm × 232mm × 171mm
RAM+Flash	8MB Flash Memory / 8MB SDRAM
Printing Method	Thermal transfer / Direct thermal
Resolution	203dpi / 300dpi
Max. Printing Speed	152mm (6")/s, 127mm (5")/s
Interfaces	Standard version: USB Optional: Serial / LAN / Wi-Fi / Bluetooth



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