



## Provide employees with advanced, high-performance, reliable user experience

The Chainway P100 is the latest 5G high-performance, large-screen industrial tablet with a 10.4-inch display. Based on Android 11 development, with a high-performance CPU, it offers fast and stable operation. It features a 5000mAh removable battery with fast charging and power meter functions, ensuring excellent battery life. The P100 includes barcode scanning, NFC, PSAM, and a high-definition camera for a comprehensive user experience. With an IP68 rating, it is reliable in harsh environments. The P100 is ideal for retail, logistics, warehousing, construction, manufacturing, healthcare, hospitality, and government sectors, enhancing efficient management and operations.



### Powerful 5G chip, Android 11, outstanding performance

The P100 features a powerful 5G IOT chipset and a high-performance octa-core processor up to 2.0GHz. It runs on the latest Android 11 OS, with standard 8GB RAM and 64GB ROM, and optional 16GB+256GB and 32GB+512GB versions to meet your storage needs. This device will be a reliable assistant, providing an outstanding work experience.

### Large screen, high-definition, clear in bright light

The P100 features a 10.4-inch screen with a resolution of 2208x1080. It supports up to 600 nits brightness, ensuring clear visibility indoors and in bright outdoor light. The reliable touchscreen supports multi-touch and works with gloves and wet hands.

### Advanced wireless technology for efficient data transfer

The P100 excels in wireless connectivity, integrating 5G, WiFi, and Bluetooth to meet diverse needs. Its 4x4 MIMO WiFi antenna offers high-speed transmission, increased network capacity, extended coverage, and low power consumption, ensuring stable signals for multiple devices. This provides a highly efficient data transfer experience.

### 5000mAh battery with power meter and fast charging

The P100 comes with a 5000mAh removable battery that supports hot-swapping. It includes a power meter to monitor battery consumption and health. With advanced fast charging up to 10W (10V/1A) and full compatibility with PPS protocol, you can quickly recharge and ensure long-lasting performance.

### Comprehensive data collection capabilities

The P100 excels in data collection with a 5MP rear camera (with autofocus and flash) and a 2MP front camera for high-resolution imaging. It features an enterprise-grade scanner for quick, accurate barcode reading, including damaged and DPM codes. The built-in NFC function expands its application range. The P100 is designed to provide powerful and versatile data collection capabilities.

## Standard product accessories

### 0.1m drop resistance, IP68 dust and water protection

The P100 boasts industrial-grade durability, withstanding multiple 1.0-meter drops onto concrete. It meets IP68 dust and water resistance standards, ensuring reliable performance in harsh environments. Its exceptional durability and protection make the P100 an ideal choice for tackling various challenges, providing a stable and trustworthy user experience.



Adapter (included)



Data cable (included)



## Physical Characteristics

Dimensions	100.0 x 100.0 x 10.0 mm / 3.94 x 3.94 x 0.39 in. (for standard version)
Weight	100 g / 3.53 oz. (for standard version)
Display	10.0" , 1000 x 1000
Touch Panel	Corning Glass, multi-touch panel, gloves and wet hands supported
Power	1000 mAh removable main battery with meter Support fast charge
Expansion Slot	1 PSAM card (Optional), 1 slot for Nano SIM card, 1 slot for Nano SIM / TF card, support esim card
Interfaces	USB 2.0 Type-C, OTG, Support USB Type-C Digital Earphone
Sensors	Gravity sensor, light sensor, proximity sensor, gyroscope (Optional), geomagnetic sensor (Optional)
Notification	Sound, LED indicator
Audio	1 microphone; 1 speakers
Keypad	1 scan key, 1 power key, 1 volume keys (+/-), 1 virtual keys

## Performance Characteristics

CPU	1.0 GHz Octa-core
RAM+ROM	1GB+16GB / 1GB+32GB (Optional) / 1GB+64GB (Optional)
Expansion	Support up to 128 GB MicroSD card

## Communication

WLAN	Support 802.11 a/b/g/n/ac/ax, 2x2 MIMO dual-band, 2x2 antennas
WWAN (Europe, Asia)	2G: GSM: B1/B2/B3/B5 CDMA 1X/EVDO/BC/SC/1R/1W 3G: WCDMA: B1/B2/B3/B5
	4G: TDD LTE: B1/B2/B3/B4/B5/B6/B7/B8/B9/B10/B11/B12/B13/B14/B15/B16/B17/B18/B19/B20/B21/B22 FDD LTE: B1/B2/B3/B4/B5/B6/B7/B8/B9/B10/B11/B12/B13/B14/B15/B16/B17/B18/B19/B20/B21/B22
	4G: SA-ND/ND/ND/ND/ND/ND/ND/ND/ND/ND (PC)/ND/ND/ND/ND/ND
	2G: GSM: B1/B2/B3/B5 CDMA 1X/EVDO/BC/SC/1R/1W 3G: WCDMA: B1/B2/B3/B5
WWAN (America)	2G: GSM: B1/B2/B3/B5 CDMA 1X/EVDO/BC/SC/1R/1W 3G: WCDMA: B1/B2/B3/B5
	4G: TDD LTE: B1/B2/B3/B4/B5/B6/B7/B8/B9/B10/B11/B12/B13/B14/B15/B16/B17/B18/B19/B20/B21/B22 FDD LTE: B1/B2/B3/B4/B5/B6/B7/B8/B9/B10/B11/B12/B13/B14/B15/B16/B17/B18/B19/B20/B21/B22
	4G: SA-ND/ND/ND/ND/ND/ND/ND/ND/ND/ND (PC)/ND/ND/ND/ND/ND
	2G: GSM: B1/B2/B3/B5 CDMA 1X/EVDO/BC/SC/1R/1W 3G: WCDMA: B1/B2/B3/B5
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Bluetooth V4.2, support Bluetooth headset
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo

## PSAM (Optional)

Card slot	1 PSAM card slots
Protocol	ISO14443

## Data Collection

Camera	
Rear Camera	12 MP Autofocus with flash
Front Camera	5 MP
NFC	
Frequency	13.56 MHz
Protocol	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2, etc.
Chips	M1 card (S00, S01), CPU card, NFC tags, etc.
Range	10-100 cm
Barcode Scanning	
Scan Engine	Zebra SE4000, SE9000; C100; C8000; Honeywell: N1000
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Symbologies	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.

## Developing Environment

Operating System	Android 10
SDK	Chainway Software Development Kit
Tool	Java
Language	Eclipse/Android Studio

## User Environment

Operating Temp.	-10°F to 140°F / -20°C to 50°C
Storage Temp.	-20°F to 140°F / -20°C to 50°C
Humidity	0% RH - 95% RH (noncondensing)
Drop Specification	Multiple 1.0m / 3.3ft. drops to concrete across the operating temperature range
Sealing	IP68 per IEC sealings specifications
ESD	±100 KV air discharge, ±10 KV conductive discharge

