

P100 AI 5G Multifunctional Tablet



Android14



5G



WiFi 6



Bluetooth5.2



PSAM



GNSS



camera



NFC



1D Barcode



2D Barcode

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

The Chainway P100 is the latest 5G high-performance, large-screen industrial tablet with a 10.95-inch display. Based on Android 14 development, with a high-performance CPU, it offers fast and stable operation. It features a 10,000mAh 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 IP67 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 14, outstanding performance

The P100 features a powerful 5G IOT chipset and a high-performance octa-core processor up to 2.6GHz (Optional). It runs on the latest Android 14 OS, with standard 4GB RAM and 64GB ROM, and optional 8GB+256GB 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 10.95-inch screen with a resolution of 1920x1200. It supports up to 800 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 6, and Bluetooth 5.2 to meet diverse needs. Its 2x2 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.

Comprehensive data collection capabilities

The P100 excels in data collection with a 13MP rear camera (with autofocus and flash) and a 5MP 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.

1.2m drop resistance, IP67 dust and water protection

The P100 boasts industrial-grade durability, MIL-STD-810H (SGS Test), withstanding multiple 1.2-meter drops onto concrete. It meets IP67 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.

10,000mAh battery with power meter and fast charging

The P100 comes with a 10,000mAh removable battery that supports hot-swapping. It includes a power meter to monitor battery consumption and health. With advanced fast charging up to 27W (9V/3A) and full compatibility with PPS protocol, you can quickly recharge and ensure long-lasting performance.

Standard product accessories



Adapter (included)



Data cable (included)

Specification

Physical Characteristics

Dimensions	263.5 x 175.0 x 13.5 mm / 10.37 x 6.89 x 0.53 in. (for standard version)
Weight	802 g / 28.29 oz. (for standard version)
Display	10.95" , 1920x1200
Touch Panel	Corning Glass, multi-touch panel, gloves and wet hands supported
Power	10000mAh 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;
Interfaces	USB 3.0 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	2 microphone; 2 speakers
Keypad	1 scan key, 1 power key, 1 volume keys (+/-) , 2 virtual keys

Performance Characteristics

CPU	2.4 GHz Octa-core 2.6 GHz Octa-core (Optional)
RAM+ROM	4GB+64GB/8GB+256GB (Optional)
Expansion	Supports up to 512 GB Micro SD card

Communication

WLAN	Support 802.11 a/b/g/n/ac/ax, 2.4G/5G dual-band, 2 * 2 MIMO antennas
WWAN (Europe, Asia)	2G:GSM:B2/B3/B5/B8 CDMA 1XEVDO BC0, BC1
	3G:WCDMA:B1/B2/B5/B8
	4G:TDD LTE :B34/B38/B39/B40/B41(2496-2690)/B42/B43 FDD LTE :B1/B2/B3/B4/B5/B7/B8/B20/B28full/B66
	5G:SA N1/N3/N5/N7/N8/N20/N28/N38/N41(PC2)/N66 /N77/N78/N79
WWAN (America)	2G:GSM:B2/B3/B5/B8 CDMA 1XEVDO BC0, BC1
	3G:WCDMA:B1/B2/B4/B5
	4G:TDD LTE :B38/B41(2496-2690) FDD LTE:B1/B2/B4/B5/B7/B12/B13/B17/B25/B26/B66/B71
	5G:SA N2/N5/N7/N12/N13/N25/N26/N29/N38/N41/N48 /N66/N70/N71/N77/N78
Vo-LTE	Support Vo-LTE HD video voice call
Bluetooth	Bluetooth V5.2, support Bluetooth headset
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo L1+L5 Dual frequency positioning

PSAM (Optional)

Card slot	1 PSAM card slots
Protocol	ISO7816

Data Collection

Camera	
Rear Camera	13 MP Autofocus with flash (Compatible with 16 MP)
Front Camera	5 MP
NFC	
Frequency	13.56 MHz
Protocol	ISO14443A/B,ISO15693,NFC-IP1,NFC-IP2, etc.
Chips	M1 card (S50, S70), CPU card, NFC tags, etc.
Range	2-4 cm
Barcode Scanning	
Scan Engine	Zebra SE4100, SE5500; CM60
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS,etc.
2D Symbolologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes:US PostNet, US Planet, UK Postal, Australian Postal, JapanPostal, Dutch Postal (KIX),etc.

Developing Environment

Operating System	Android 14
SDK	Chainway Software Development Kit
Tool	Java
Language	Eclipse/Android Studio

User Environment

Operating Temp.	-4°F to 122°F /-20 °C to 50 °C
Storage Temp.	-40°F to 158°F /-40 °C to 70 °C
Humidity	5% RH-95% RH (non condensing)
Drop Specification	MIL-STD-810H (SGS Test): Multiple 1.2 m / 3.94 ft. drops to concrete across the operating temperature range
Sealing	IP67 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

Notice: Product specifications are subject to change without prior notice. / Model: P100 / Update Date: 2025-03-11

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