

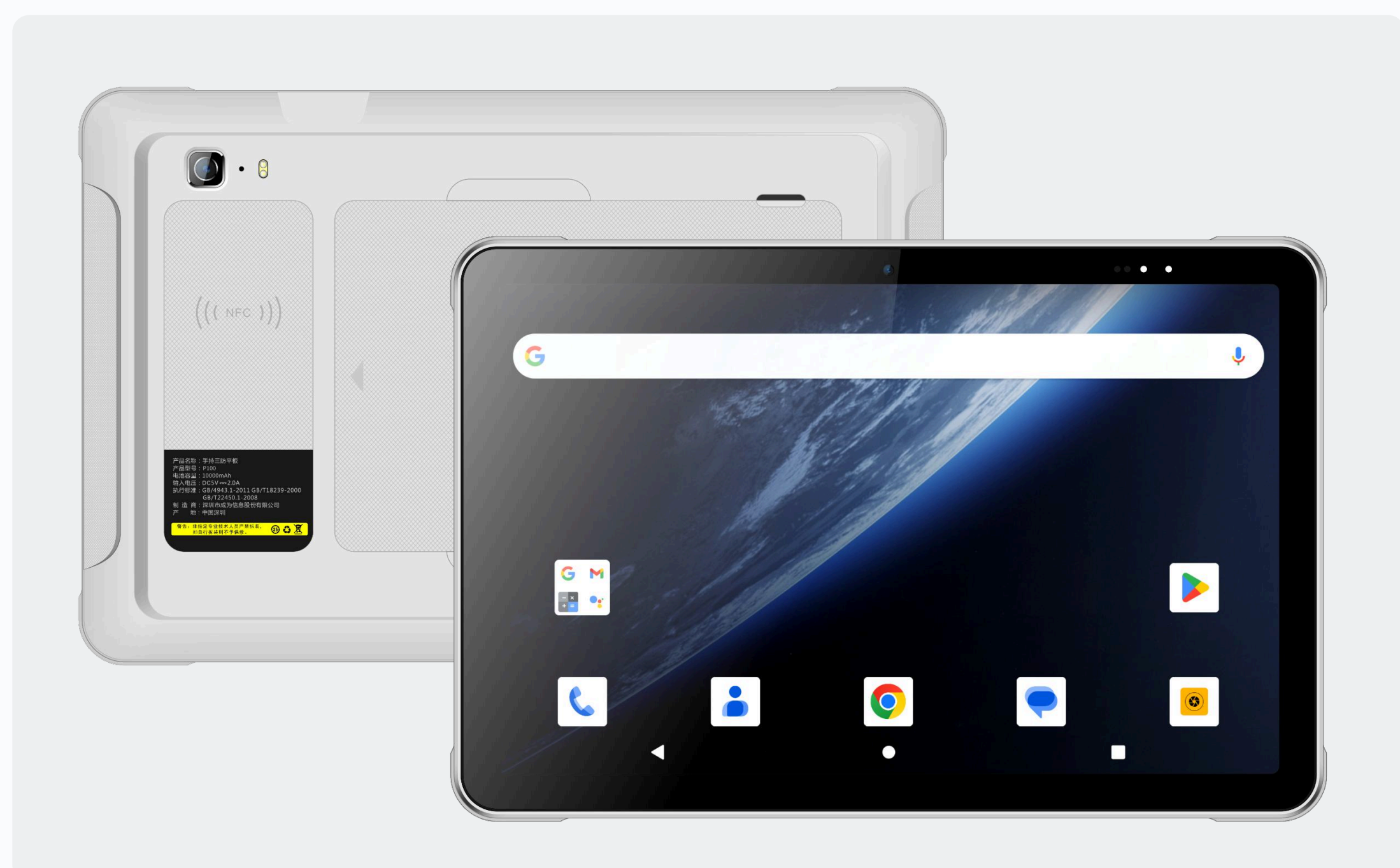
P100

AI · 5G · Medical-Grade Tablet

Advanced Configuration, Superior Performance,
More Efficient User Experience



The Chainway P100 is a high-performance smart medical tablet purpose-built for healthcare applications. Designed for hospitals and other environments that demand high cleanliness, intensive use, and reliable operation, it runs on advanced Android 14 and a 5G IoT chipset platform, with an optional octa-core 2.6 GHz CPU for powerful performance and smooth multitasking. Its 11-inch high-definition display enhances on-site visibility and operational efficiency for healthcare professionals. A built-in 10,000 mAh removable battery supports hot swapping and 27W fast charging, enabling extended continuous use. For connectivity, it supports 5G, Wi-Fi 6, and 2x2 MIMO antennas, delivering high-speed, low-latency communication and fast roaming for more stable mobile connections. The device can also integrate multiple features, including high-performance barcode scanning, NFC, UHF, and PSAM, to support patient identification, pharmaceutical traceability, supply management, and secure authentication.



Flagship Performance & Long-Term Support

The P100 is built on a high-performance 5G IoT platform with an optional 2.6GHz octa-core processor. With an AnTuTu benchmark score of up to 580,000, it delivers exceptional computing power and multitasking capabilities for complex industrial scenarios.

The chipset platform will be available through 2030, ensuring stable supply throughout the entire product lifecycle. The device comes preloaded with **Android 14** and is **Google AER-certified**, meeting global enterprise standards for security, system compatibility, and long-term stability. It supports continuous Android OS updates and maintenance, enabling sustainable device management and IT compliance for enterprises.

Memory configurations include a standard **4GB RAM + 64GB ROM version**, and an upgraded **8GB RAM + 256GB ROM option**, ensuring stable performance for large applications, data caching, and parallel multitasking. The P100 is available in both US and EMEA versions, covering global markets.

Powerful Wireless Connectivity

The P100 integrates **5G, Wi-Fi 6, and Bluetooth 5.2**, delivering **high-reliability**, low-latency wireless connectivity to meet industrial-grade demands for high-speed data, stability, and multi-device collaboration.

The 2x2 MIMO antenna architecture supports concurrent dual-stream transmission, ensuring higher data efficiency, lower latency, and stable connections even in high-interference or high-density deployment environments. Seamless Wi-Fi roaming enables uninterrupted connectivity across zones.

With 5G, the P100 achieves faster large file downloads, remote database access, and real-time HD video transmission. Bluetooth 5.2 enhances anti-interference, lowers latency, and supports stronger multi-device connections.

11-Inch HD Display

The P100 features an 11-inch HD display with a 1920×1200 resolution, delivering a wide visual area and fine image detail for multitasking and complex interface operations, significantly improving field productivity.

An optional 800-nit high-brightness screen ensures excellent visibility even under direct sunlight or in high-intensity industrial environments. The screen is protected with Corning® Gorilla® Glass 3, offering superior scratch resistance, impact protection, and durability against everyday wear and accidental drops.

The touchscreen supports multi-touch, wet-hand operation, and glove touch (including rubber, nylon, and cotton gloves), ensuring precise and responsive control even in challenging work environments.

Versatile Data Capture

The P100 is equipped with a 13MP rear camera (with autofocus and flash) and a 5MP front camera, supporting high-resolution image capture. An enterprise-grade barcode engine enables fast, accurate scanning of all 1D/2D barcodes, including damaged and DPM codes.

The P100 comes with built-in NFC, enabling convenient short-range wireless identification. For industries requiring advanced data collection, an optional UHF RFID version is available to maximize efficiency.

Industrial-Grade Protection

The P100 is engineered for industrial durability and reliable operation in tough conditions. It passes the MIL-STD-810H drop test at 1.2 meters, ensuring resilience against everyday shocks and drops.

With an IP67 rating, it offers superior dustproof and waterproof protection, maintaining stable operation even in extreme environments. Whether for outdoor inspections, warehouse logistics, or industrial fieldwork, the P100 delivers reliable, long-lasting performance.

High-Capacity Battery, Fast Charging, and Hot-Swap

The P100 is powered by a 10,000 mAh removable battery with hot-swap support, ensuring continuous operations without downtime. The battery meter function provides real-time monitoring of power consumption, health status, and replacement cycles, extending battery lifespan and optimizing maintenance.

Supporting 27W fast charging (9V/3A) and PPS dynamic voltage adjustment, the device delivers safe, efficient charging by intelligently adjusting voltage and current. Even in high-intensity work environments, the P100 quickly replenishes power for long-lasting stable performance.

Medical-Grade Antimicrobial Protection for Diverse Healthcare Applications

The device features a medical-grade antimicrobial housing, with key components meeting antimicrobial standards and supporting authoritative certification testing, effectively inhibiting bacterial growth and transmission. It also withstands repeated wiping with common disinfectants such as alcohol, thanks to its highly durable, disinfectant-resistant design, making it ideal for the frequent cleaning and sterilization routines required in hospitals. By combining antimicrobial materials with high-frequency disinfection tolerance, it delivers dual protection through proactive bacterial inhibition and routine surface disinfection, helping reduce the risk of cross-infection. In addition, structural optimization enables ultra-narrow gap control and a screw-free rear design, effectively preventing liquid ingress and dirt buildup, minimizing spaces where bacteria can accumulate, and reducing the risk of device failure caused by fluid penetration.

Specification

Physical Characteristics	Dimensions	263.5×175.0×13.5mm / 10.37×6.89 ×0.53in. (for standard version)
	Weight	802g / 28.29oz. (for standard version)
	Display	10.95", 1920×1200, IPS
	Touch Panel	Corning Glass, multi-touch panel, gloves and wet hands supported
	Power	10,000 mAh removable main battery with meter Support fast charge
	Expansion Slot	1 slot for Nano SIM card, 1 slot for Nano SIM / TF card; 1 PSAM card (Optional) ; eSIM compatible ;
	Interfaces	USB 3.0 Type-C, OTG, Support USB Type-C Digital Earphone
	Sensors	G_sensor, light sensor, proximity sensor, gyroscope, geomagnetic sensor
	Notification	Sound, LED indicator, vibration
	Audio	2 microphone, 2 speakers
Performance Characteristics	Keypad	1 scan key, 1 power key, 1 volume key (+/-) , 2 virtual keys
	CPU	Octa-core 2.4GHz; optional octa-core 2.6GHz
	RAM+ROM	4GB+64GB / 8GB+256GB (Optional)
Expansion	Supports up to 512GB Micro SD card	

PSAM Optional	Card slot	1 PSAM card slots		
	Protocol	ISO7816		
Data Collection	Camera	Rear Camera	13MP Autofocus with flash; optional 16MP	
		Front Camera	5MP	
	Barcode Scanning	Scan Engine	Zebra SE4100, SE55; CM60	
		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, JapanPostal, Dutch Postal (KIX) , etc.	
	NFC	Frequency	13.56MHZ	
		Protocol	ISO14443A/B, ISO15693 , NFC-IP1, NFC-IP2, etc.	
		Chips	M1 card (S50, S70), CPU card, NFC tags, etc.	
Range		2-4cm		
Communication	WLAN	Support 802.11 a/b/g/n/ac/ax, 2.4G / 5G dual-band, 2x2 MIMO antennas		
	WWAN Europe Asia	2G: GSM: B2/B3/B5/B8 CDMA 1XEVDO BCO, 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 BCO, 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, BeiDou, GLONASS, Galileo; AGPS support; Dual-frequency positioning (L1+L5)			
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	Passed 1.2-meter drop test compliant with MIL-STD-810 Hmilitary standard		
	Sealing	IP67 perIEC sealing specifications		
	ESD	±15KV air discharge, ±8KV conductive discharge		
Accessories	Standard	Power adapter, USB data cable		
	Optional	Wrist strap, shoulder strap, protective case, charging dock, etc.		

CHAINWAY

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Notice: Product specifications are subject to change without
prior notice. | Model: P100 | Version: V1.0