



Chainway P100 v.2 - Drop- and water-resistant rugged tablet Android 14 Enterprise, 8GB Ram, 256GB Flash, 5G module, NFC, Android 14 Enterprise

Category:	UMPC - Ruggedized
Manufacturer:	Mobikator
Operating System:	Android 14
Display:	10.95
Brightness:	800 NIT
Processor:	2.4 GHz Octa-core optional 2.6 GHz Octa-core
Memory:	8GB
Hard Drive:	---
Flash Memory:	256GB ROM
Touch screen:	Yes
Durability:	IP67
Drop:	1.2m
Shock:	MIL-STD-810H
Vibration:	MIL-STD-810H
Temperature:	Temp. Operating -20 DO 50Temp. Storage -40 DO 70

Humidity:	5%-95%
1D barcode scanner (reader):	---
2D barcode scanner (reader):	Optional
RFID scanner (reader):	NFC
Other:	Standard warranty: 1 year
Battery:	10000mAh
Working time on battery:	13h
Fast battery replacement ability:	Yes
HotSwap battery:	Yes
LAN:	No
WLAN:	Support 802.11 a/b/g/n/ac/ax2.4G/5G dual-band 2×2 MIMO antennas
Bluetooth:	5.2
WAN:	4G TDD FDD LTE5G
GPS:	GPS/AGPS GLONASS BeiDou GalileoL1+L5 Dual frequency positioning
Camera:	5 MP13 MP with flash autofocus
In/Out:	USB 3.0 Type-C OTG Support USB Type-C Digital Earphone
Optional accessories:	Yes
Docking station connector:	Yes
VESA standard – holders and mounts support:	---
COM port:	---
Magnetic card reader (MSR):	No
Microchip card reader:	---
Contrast:	Yes
Graphics card:	---
Chipset:	5G IOT
BIOS:	No
Casing material:	---
Flash Card Reader:	Micro SD

CD/DVD:	No
Audio:	2x microphone 2x speakers
Keyboard:	on-screen keyboard
Additional Navigation Devices :	No
Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP67
Waterproof:	IPX7
Sand and dust:	IP6X
Size:	263.5 mm x 175.0 mm x 13.5 mm
Fanless casing:	---
Weight:	802g

723,74 €
net price: 588,40 €

CHAINWAY P100



MIL-STD-810H CERTIFICATE

SPECIFICATION

IP67 PROTECTION

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

This rugged tablet is built for unforgiving environments and situations. Designed for extreme durability, the Chainway P100 meets the rigorous MIL-STD-810H and IP67 standards, ensuring complete protection against dust, water, shock, vibration, and extreme temperatures. Thanks to its efficient and safe 10,000 mAh battery, the tablet operates continuously for up to 13 hours. The screen guarantees excellent readability even in bright sunlight, and

reliability is assured even in extreme cold.

The Chainway P100 industrial tablet comes standard with a one-year manufacturer's warranty. To ensure long-term operation, we offer the option of a paid extension to 2, 3, 4, or 5 years. To discuss details and purchase a custom warranty, please contact us.

MIL-STD-810H CERTIFICATE



MIL-STD-810H

MIL-STD-810H is a US military standard that specifies rigorous testing methods for devices' durability in extreme environmental conditions. This means that a tablet with this certification has successfully passed a series of simulated tests, including drops, shocks, vibrations, extreme temperatures (both hot and cold), humidity, and even salt spray. This certification guarantees exceptional ruggedness and durability, proving that the device can operate reliably even in the harshest field or industrial environments. In

short, a tablet with MIL-STD-810H is a rugged device, designed to survive where standard electronics fail.

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SPECIFICATION

CHAINWAY P100 v.2	
Resistance	MIL-STD-810H IP67
Fall	1.2m
Processor	2.4 GHz Octa-Core
Operating system	Android 14
Memory	8GB RAM + 256GB ROM
Battery	10000mAh 78 mAh spare battery
Display	10.95" (1200x1920)
Camera	5 MP 13 MP with autofocus and flash
Scanner	Optional *in other versions of the device
Communication	2G/3G/4G/5G Bluetooth Wi-Fi GPS NFC
Connectors	USB 3.0 Type-C OTG USB Type-C Digital Earphone Support
Memory card	Micro SD
SIM card	Nano SIM
Warranty	Standard warranty: 1 year Optional: 2, 3, 4, 5 years



Detailed device specification is available in the "Technical data".

At the heart of the Chainway P100 tablet is a powerful 2.4 GHz Octa-Core processor, which ensures smooth and fast performance, crucial for professional applications. Thanks to its eight-core architecture, the device can efficiently process multiple tasks simultaneously, guaranteeing high performance in the field. This dynamic combination of processing power and energy optimization meets the needs of the most demanding systems, from logistics to inventory.

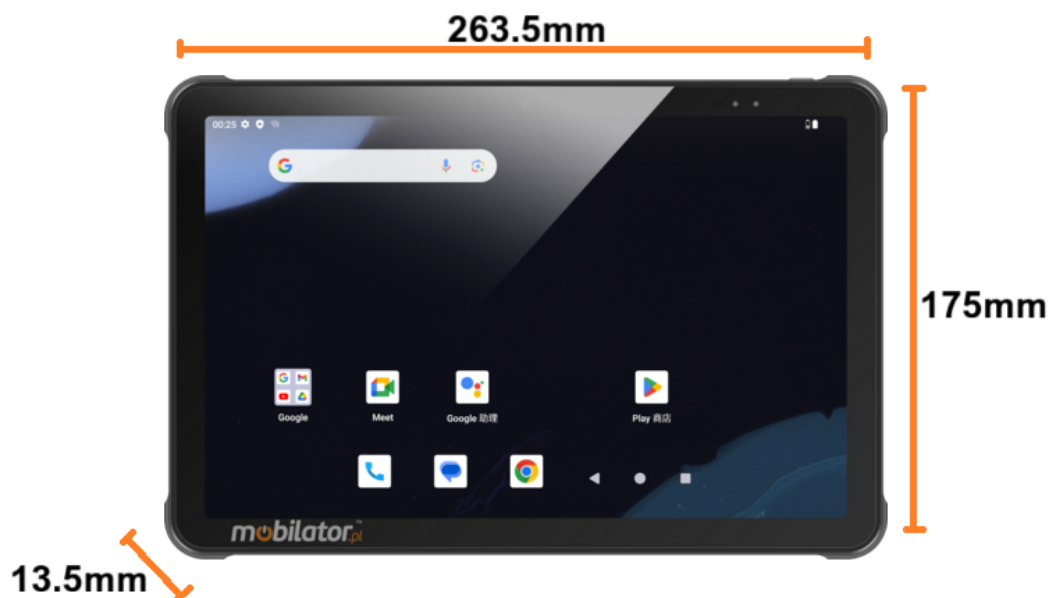
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Ergonomic design

The Chainway P100 tablet is designed for professionals on the go. It's the perfect proof that rugged hardware doesn't have to be heavy or bulky. Its ergonomic design and slim casing ensure the tablet fits comfortably in your hand. Its low weight of 802g and well-thought-out dimensions of 263.5mm x 175mm x 13.5mm ensure comfortable use throughout a full day of field work..

Dimensions	263.5mm x 175mm x 13.5mm 10.37 in x 6.89 in x 0.53 in
Net weight	802g



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Touch panel



This tablet features a multi-touch panel protected by Corning Glass. These

features ensure high precision and reliability, and the panel technology allows for easy control of the device using multiple fingers simultaneously. Furthermore, the advanced design supports operation even with gloves or wet hands.

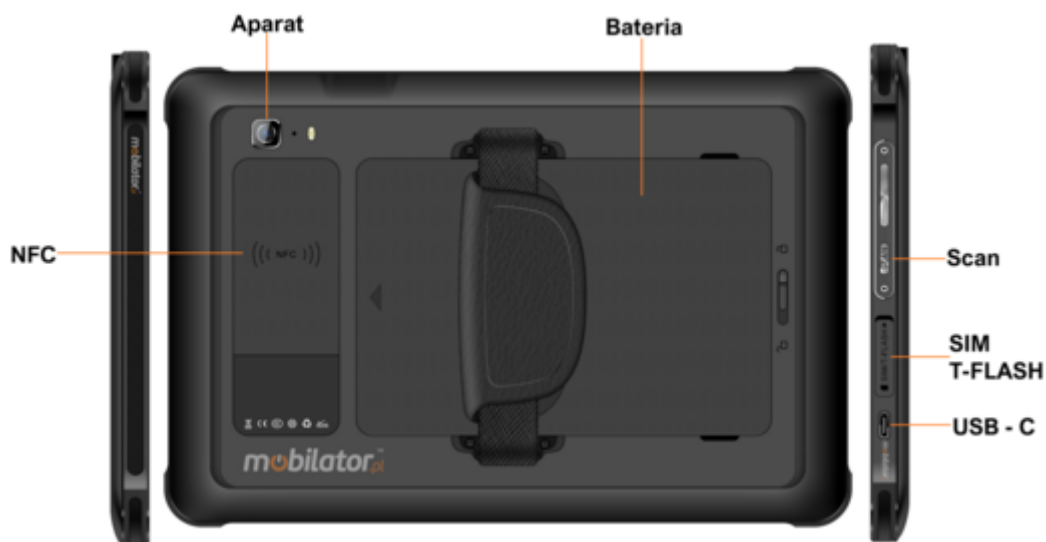
800-nits screen



Screen brightness, measured in nits, is a crucial factor in outdoor conditions. The Chainway P100 tablet reaches 800 nits, making it a top-of-the-line device for use in direct sunlight. This 800 nits rating, along with full dust and water resistance, ensures smooth and reliable interaction regardless of light intensity. This level of brightness allows for instant reading of complex data and maps without any visual distractions.

DATA COLLECTING

NFC



The industrial tablet is equipped with an NFC (Near-Field Communication) module, operating at the standard 13.56 MHz frequency. It provides short-range interaction, with an optimal range of 2 to 4 cm, ideal for fast and secure data exchange. The system supports key protocols such as ISO14443A/B and ISO15693, and can read and write to popular tags, including M1 (S50/S70) cards and advanced smart cards. This versatility effectively expands the tablet's capabilities in identification, access control, and data collection.

NFC	ISO14443A/B/ISO15693
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Barcode scanner

The Chainway P100 tablet's built-in barcode scanner quickly and efficiently reads and transmits data, crucial for dynamic field operations. The device offers a choice of advanced scanning engines, including the 2D CM60, SE4100, and the long-range 2D SE5500 (10m+). Regardless of the option chosen, advanced engines guarantee a wide reading range, effortlessly extracting information from both traditional 1D codes and complex 2D codes (including QR and Data Matrix). Most importantly, this technology is designed to reliably

read even damaged, faint, or poorly printed codes, eliminating downtime and significantly increasing workflow speed and efficiency.

Scanner

2D CM60 | SE4100 | 2D SE5500 (10m+)

* Additional option available for selected device versions.

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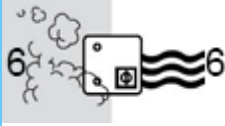
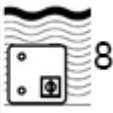
IP67 PROTECTION

IP67



The IP67 standard, which the Chainway P100 tablet meets, defines the highest degree of protection provided by its casing against dust ingress and the effects of temporary immersion in water. This is a reliable solution for industries where absolute resistance to external factors and durability are essential. This certification guarantees that dust and dirt will not damage the tablet's internal components, even in the harshest field conditions. This means users can safely wash the device under running water or use it in heavy rain, which is essential for maintaining business continuity.

	Firts digit	Protection level	Second digit
No special protection	0 	No special protection	0
Protection from solid objects greater than 50mm in diameter	1 	Protection from dripping water	1
Protection from object not greater than 12mm in diameter	2 	Protection from vertically dripping water (tilted up to 15°)	2
Protection from object not greater than 2,5mm in diameter	3 	Protection from sprayed water (tilted up to 60°)	3
Protection from object not greater than 1mm in diameter	4 	Protection from splashed water	4
Complete protection against contact, Protection against dust deposit	5 	Protection from water projected from a nozzle	5

Firts digit	Protection level	Second digit
Complete protection against contact, protection from infiltration of dust	 Protection against heavy seas, or powerful jets of water	
		Protection against immersion
	 Protection against complete, continuous submersion in water	

1.2 m drop resistance

The military-grade design of this tablet ensures it can withstand accidental drops from up to 1.2 meters in working mode, even onto hard surfaces like concrete. This durability is crucial in dynamic industrial environments, where the risk of the device slipping out of your hands is high. This means users don't have to worry about costly damage or interruptions in their work after every drop. Combined with IP and MIL-STD-810H standards, this makes the Chainway P100 a device ready for extremely harsh field conditions.

Extreme temperatures

The Chainway P100 is a specialized device designed for operation in extreme temperature conditions. It can operate continuously between -20°C and 50°C, and in storage mode, it can withstand temperatures from -40°C to 70°C. The device is also fully adapted to work in high-humidity environments, handling relative humidity ranging from 5% to 95% RH, provided there is no

condensation. This means the P100 remains fully operational in both dry, desert conditions and humid, tropical climates.

Working Temp.	-20°C to 50°C
Storage Temp.	-40°C do 70°C
Humidity	5% do 95%

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WIRELESS COMMUNICATION

GPS Navigation

The Chainway P100 industrial tablet is equipped with a professional GNSS module that provides exceptional positioning accuracy. It supports four global satellite systems – GPS, GLONASS, GALILEO, and BEIDOU, augmented by A-GPS. This multi-system support guarantees fast and smooth navigation with low power consumption, allowing you to effortlessly reach any designated destination and precisely track routes in the field.

Bluetooth 5.2

The CHAINWAY P100 tablet utilizes the modern Bluetooth 5.2 communication standard, crucial for professional work. This technology guarantees more stable and reliable connections with peripherals such as printers and headsets, eliminating data transmission interruptions. Most importantly, the 5.2 standard minimizes power consumption. This allows accessories and the tablet itself to operate significantly longer on a single charge, directly

impacting efficiency and work continuity during long shifts.

Wi-Fi network

Dual-band Wi-Fi provides fast internet access wherever a secured or open Wi-Fi connection is available. This is a convenient solution for users with a router and a Wi-Fi network at work or home, allowing for free connection use.

Standards	802.11 a/b/g/n/ac/ax
Frequencies	2.4GHz/5GHz (Dual-Band)

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APPLICATION

Trade and Services

The Chainway P100 is a device that streamlines the workflow of mobile sales representatives. Running on Android, the device enables efficient customer service and instant access to product databases, while information searches are fast and precise. Most importantly, however, is its lightning-fast connectivity: thanks to 5G and Wi-Fi modules, the tablet maintains constant, fast contact with headquarters. This allows for immediate ordering, invoicing, and real-time inventory updates. As a result, employees gain an operational advantage by working faster and eliminating time-consuming delays associated with data transmission.



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Industry and Construction

The Chainway P100 tablet stands out for its exceptional durability in extreme conditions. Its casing is completely dust- and waterproof, as confirmed by rigorous IP67 certifications and the MIL-STD-810H military standard. This makes the device ideal for even the harshest field conditions, such as construction sites or industrial infrastructure. Furthermore, the Chainway P100 is not just a shield, but also the brain of the operation. Thanks to specialized applications, the tablet becomes a key tool for monitoring and controlling production processes, as well as collecting and analyzing data in real time. This functionality allows for immediate work optimization and fast, accurate decision-making.



Warehouse

The Chainway P100 is the perfect tool for accelerating and streamlining warehouse workflows. It allows for the quick and precise execution of key tasks such as inventory, inventory control, and goods receiving and issuing. Built-in Wi-Fi and Bluetooth modules ensure constant access to data and facilitate communication with other devices, which is invaluable in everyday work.



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ACCESSORIES AND AVAILABLE VERSIONS

We also offer a range of additional accessories for this durable tablet to further enhance its functionality and comfort. Below is a list of available

accessories. Clicking the "Check" link will take you to a page with a description and price of the accessory.

Chainway P100 - Charging cradle



A dedicated charging station with DC and Ethernet power capabilities. Allows you to charge your device while simultaneously topping up the backup battery, ensuring continuous operation.

[Check](#)

Chainway P100 - Quick charge adapter



The charger provides fast power and is included as a standard accessory. The adapter is available in CN, US, EU, or UK variants to fit different electrical outlets.

[Check](#)

Chainway P100 - Shoulder strap kits



Transform your tablet into a mobile workstation. These straps allow you to carry your device on your body like a bag or hang it. They keep your hands free and give you instant, secure access to your tablet.

[Check](#)

Chainway P100 - Leather hand strap



Ensure a safe and secure grip on your tablet with one hand. This minimizes the risk of dropping the device, providing exceptional comfort during extended work and presentations on the go.

[Check](#)

Chainway P100 - Removable main battery with meter



The compact 10,000 mAh battery helps prevent draining. The Fast Charging feature powers your tablet at record speeds. An LED indicator gives you complete control over your battery life.

[Check](#)

Chainway P100 - Rugged rubber boot



The reinforced case (Rubber Boot) provides a shield for the tablet. It absorbs shock and protects the device from drops and heavy impacts. It minimizes the risk of failure and expensive repairs.

[Check](#)

Chainway P100 - screen protector



A tough barrier for your tablet screen that absorbs scratches and micro-damage. This protection protects your screen during everyday use, maintaining its value and aesthetics like new.

[Check](#)

The Chainway P100 for specialized applications is a rugged device, ideal for use in all conditions. Available in several configurations to suit your needs. Click on the number to see the details and parameters in the table. If you require a custom version, contact us and we will create one specifically for you.



More photos in full resolution available in the "Gallery".

