Chainway P80-PE

Chainway P80-PE v. 7- Powerful industrial tablet with IP65, linear and 2D barcode scanner, UHF RFID reader

Category:	UMPC - Ruggedized
Manufacturer:	CHAINWAY
Operating System:	Android 9.0
Display:	8" (1920x1200px)
Brightness:	255 Nit
Processor:	Qualcomm SDM450 (8x1.80Ghz)
Memory:	3GB
Hard Drive:	-----
Flash Memory:	Yes
Touch screen:	Capacitive **multi-touch**
Durability:	IP65
Drop:	1.5m
Shock:	------
Vibration:	-----
Temperature:	Operating temperature: -20°C - -50°C,Off temperature: -40°C - - 70°C
Humidity:	5% -- 95%
1D barcode scanner (reader):	------
2D barcode scanner (reader):	**2D Zebra SE4710 scanner**
RFID scanner (reader):	**NFC** (13.56MHz)**RFID UHF-1D** (range 15m)

Other:	**Sensors:** accelerometer, geomagnetic sensor, gravity sensor, light sensor, proximity sensor, gyroscope
Battery:	8000mAh
Working time on battery:	10h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G
Bluetooth:	Bluetooth 4.2
WAN:	**4G:** FDD-LTE/TDD-LT, **2G/3G:** 850/900/1800/1900MHz, GPRS, EDGE,CDMA EVDO, TD-SCDMA, WCDMA
GPS:	Yes
Camera:	Rear: 13Mpx, **Flash**,Front: 5Mpx
In/Out:	Charging port| USB-C (OTG)
Optional accessories:	-----
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	Qualcomm Adreno 506 GPU
Chipset:	-----
BIOS:	-----
Casing material:	-----
Flash Card Reader:	SD (max. 128GB)
CD/DVD:	-----
Audio:	Built-in microphone and speaker

Keyboard:	Onscreen
Additional Navigation Devices :	Direction keys-7 (option)
Color:	black
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	-----
Security:	-----
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	250.8 x 152 x 15mm - 700g
Fanless casing:	Yes
Weight:	700g

3 985,20 zł

net price: 3 240,00 zł

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

AVAILABLE VERSIONS AND ACCESSORIES

Chainway P80-PE is a modern, waterproof industrial tablet designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP65, which confirms the protection of the device against dust and water. It is also resistant to falls, even on hard surfaces.

SPECIFICATION

Chainway P80-PE	
Processor	Qualcomm SDM450 (8x1.80Ghz)
Graphics	Qualcomm Adreno 506 GPU
Operating system	Android 9.0
RAM	3GB
ROM	32GB
Display	8" | 1920x1200 IPS
Touch screen	Capacitive (multi-touch)
Battery	8000mAh
Camera	5Mpx Front | 13Mpx Rear
Protection	IP65

Chainway P80-PE	
Communication	2G/3G/4G | Bluetooth 4.2 | NFC | Wi-Fi | GPS | Vo-LTE HD
Connectors	Charging port| USB-C 2.0 (OTG)
Memory card	Micro SD (max. 128GB)
SIM card	Micro SIM (dual PSAM card input *)
RFID Reader	NFC 13.56MHz |UHF-1D (range 15m) (RFID UHF range 30-100cm *)
2D Scanner	Zebra SE4710

* Optional equipment, available on specific versions only.

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

Dustproof industrial tablet Chainway P80-PE was equipped with high performance, energy-efficient Qualcomm processor. Inside, there are eight cores that allow for more efficient processing of multiple tasks simultaneously. Shared caching, which uses a multi-level hierarchy, is dynamically allocated to each processor core according to the load. This reduces the average access time to main memory. Enhanced graphics card technology lets you enjoy FHD video and movies. Low power consumption guarantees long battery life.

Ergonomic design

Chainway P80-PE industrial tablet is designed for resistance and convenience. The sleek and rugged 15mm thick design and stylish case will make the tablet very well suited for industrial use and more. The unique size has been carefully thought out to make the device more comfortable and ergonomic. The non-slip casing

makes it safe and secure to hold it in your hand, and the rubber corners further protect your device against possible damage as a result of falls.

Dimensions	250.8 x 152 x 15mm
Net weight	700g

Capacitive screen

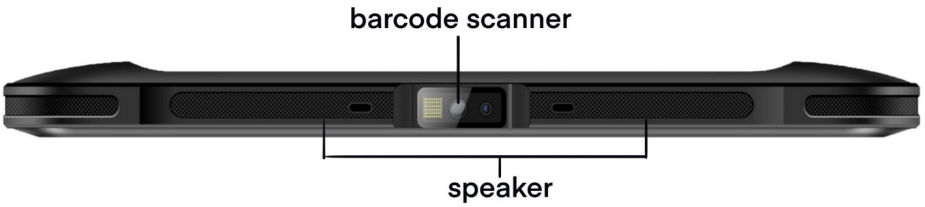
With the capacitive screen, the reaction of the device is not to directly press the screen, but to change the electrostatic field at the point where the device is touched. This allows for much more precise handling and gentle brushes on the screen. In addition, we can use multitouch technology, the ability to control our tablet or the collector with a few fingers at once.

Connectors and dimensions

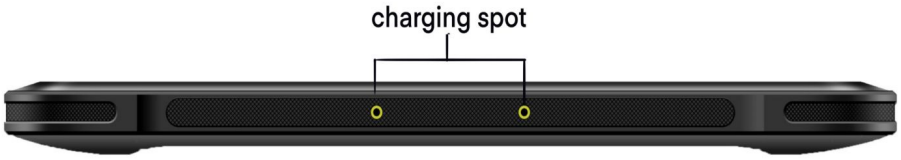
15mm
SIM/T-FLASH
mobilator.pl
SCAN
152mm
250.8mm

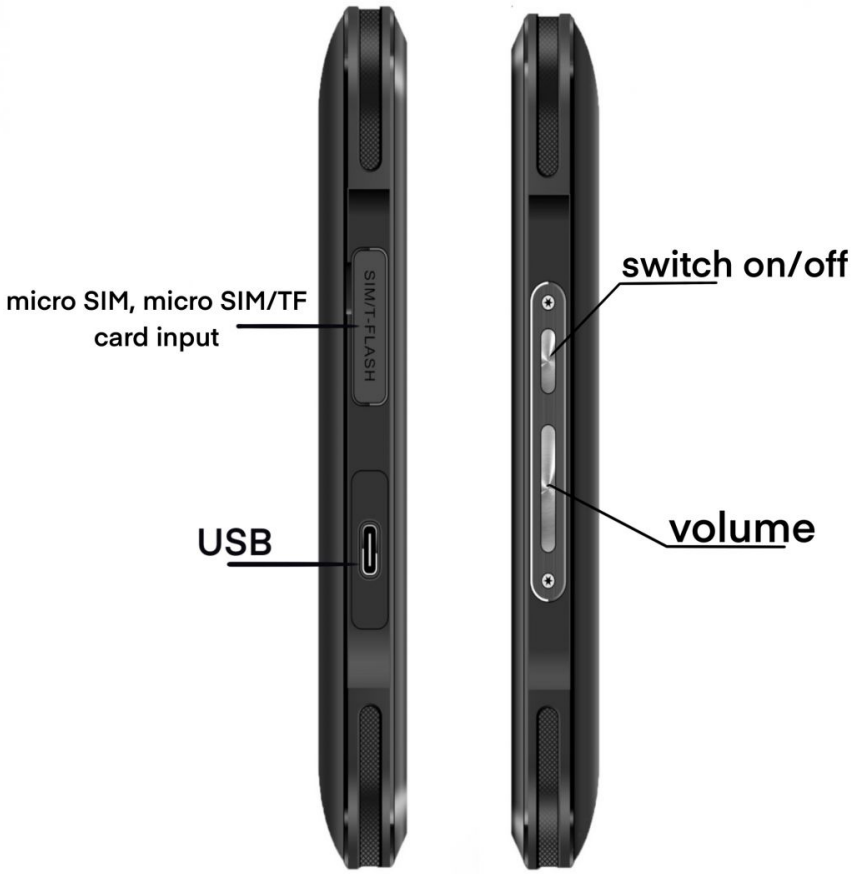
rear camera
FLASH lamp
TD-LTE无线数据终端
Industrial Tablet
MADE IN CHINA

View from above:



View from below:





RESISTANCE

IP65 Protection

The IP standard defines the degree of protection provided by the enclosure of an electrical device against such factors as: access to dangerous parts inside the enclosure, penetration of foreign matter, splashing or immersion.

IP6X	No ingress of dust, complete protection against contact. A vacuum must be applied. Test duration of up to 8 hours based on air flow.

IPX5	Protection against flowing water with an intensity of 12.5 l/min on each side.

1.5m drop resistance

Specially designed construction gives the machine a chance of accidental falls from up to 1.5 meters in operating mode, even on hard surfaces. In addition, the tablet screen is protected by specially tempered glass Gorilla Glass.

Extreme temperatures

Chainway P80-PE is suitable for continuous operation in both low and high temperatures in the range of -20 ° C to 50 ° C. When the device is off, it can handle temperatures ranging from -40 ° C to 70° C. In addition, the rugged industrial tablet performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

Working Temp.	-20°C to 50°C
Storage Temp.	-40°C do 70°C

Humidity	5% do 95%

DATA COLLECTING

NFC

Short-range communication, known as NFC, is a radio communication standard that allows for wireless data exchange at a distance of a few centimeters. This technology is a simple extension of the proximity card standard that combines smart card interface and reader in one device. NFC devices can communicate with existing equipment in the standard ISO / ISO14443A/B or ISO15693 (cards and readers) as well as with other NFC devices, and thus are compatible with existing and already used public transport and payment infrastructures such as MIFARE.

NFC 13.56MHz

Support protocols ISO14443A, ISO14443B, IPN1, IPN2, MIFARE Classic

RFID Reader

RFID is a technology used to identify objects and to control the flow products. Reading of information from the special tags that are attached to objects (but not only, because RFID is also applicable to the identification of the animals and even humans) followed by radio. Depending on the type of tag changes the amount of information that can hold as well as the maximum distance at which data can be read. RFID tags, is an alternative to bar codes - more comfortable and more efficient.

RFID UHF (option 1)	865-868 MHz, read distance up to 15m ISO11784/5 support

RFID UHF (option 2)	865-868MHZ Support for EPC protocol C1 GEN2/ ISO 18 000-6C Read distance 30 cm-100 cm

Barcode scanner

2D Barcode Scanners

Zebra

SE4710

Barcode Reader allows you to read, decode and transfer stored data in barcode to your computer. Thanks to dynamic scanning method and the large range of reading, tablet is capable to carefully collecting data, which helps to increase the rate and efficiency of work. Simplified installation procedure,

convenient and intuitive design allow to start scanner work very easy and quickly.

WIRELESS COMMUNICATION

4G Module

4G technology is based on a radio network with fast transmission and the rare occurrence of downtime or transfer errors. The main distinguishing feature of the 4G from its predecessor (3G) is the speed of transfer between devices. The fourth generation network offers 100 Mb / s of mobile internet speed and 25 Mb / s of packet transfer. Technology enables users, including: extremely fast radio networks, Internet access, personalized telephony, and access to modern media and games services.

4G Module	FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE : B34/B38/B39/B41/B40
3G Module	GSM: 850/900/1800/1900MHz , GPRS, EDGE WCDMA: B1/B5/B8 TD-SCDMA: B34/B39 CDMA EVDO:BC0

GPS Navigation

Waterproof tablet Chainway P80-PE is equipped with a professional GPS module with Beidou and GLONASS support, combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily

reach any destination.

Bluetooth 4.2

Bluetooth enables wireless short-range communication between various electronic devices, such as the keyboard, computer, laptop, palmtop, mobile phone and many others. In the fourth version of this standard, energy consumption was reduced considerably, at the expense of lower transfer costs, and real operating coverage increased.

Wi-Fi network

Dual-band Wi-Fi provides fast network access wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a work or residence router and a wireless network that can be used at no extra cost. The shock-resistant industrial tablet, the Chainway P80-PE, is equipped with the latest 802.11n technology, which allows file transfer speeds up to 150 Mb/s.

Standards	802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G
Frequencies	2.4G + 5.8G (Dual-Band)

Android Enterprise

Chainway P80-PE is listed on Android Enterprise. Android Enterprise is a Google-led initiative to enable the use of Android devices and apps in the workplace. The program offers APIs and other tools for developers to integrate support for Android into their enterprise mobility management

(EMM) solutions. Android Enterprise Recommended makes it easy for businesses to select, deploy, and manage Android devices and the appropriate services. Thanks to this program, you can be sure that such devices and services meet the high requirements related to their use in the company, which is confirmed by their approval by Google. The link to the device on the Google list is HERE.

APPLICATION

Trade and Services

Thanks to their size and light weight, tablet are a useful tool for sales representatives. Today's applications running under the tablet's system enable even entering the device's contractor database, which allows us to later search for it quickly by name or NIP number. We can do the same with our commodity base, which can work in parallel with the database of contractors. Additional use of tablets in the trade, such as sending orders or invoices directly to the company through the GSM network or Wi-Fi.

Industry and Construction

Industrial tablets are characterized by high resistance to adverse working

conditions. Tightness, dust and water resistance of enclosures, certified by IP65 (dust and water resistance standards), can withstand even the harshest conditions in industrial infrastructure or on the construction site. With appropriate applications, tablets can be used for control and control of various industrial processes, as well as for data collection and analysis.

Warehouse

An industrial tablet is the ideal solution for quick stocktaking. In addition, depending on the software used, it streamlines the process of entering and delivering goods into the warehouse, enables price control and dispensing, helps to collect and order orders, and identifies customers and servicing the rental. The advantages of using tablets are undoubtedly: time savings, customer satisfaction thanks to the correct price and speed of operation.

AVAILABLE VERSIONS AND ACCESSORIES

The industry-leading Chainway P80-PE tablet is available in several versions to suit different needs. By clicking on the hardware configuration number you will be redirected to the product with the parameters given in the table below. In addition, on request, you can create a configuration not currently available in the offer.

	v.1	v.2	v.3	v.4	v.5	v.6	v.7	v.8	v.9
scanner 2D Zebra SE4710	—	+	—	—	—	+	+	+	+
UHF-1D 15m	—	—	+	—	—	—	+	—	—
UHF-1P 15m	—	—	—	+	—	—	—	+	—
UHF-2 30-100cm	—	—	—	—	+	—	—	—	+
Direction keys - 7	—	—	—	—	—	+	—	—	—
PSAM x2	—	—	—	—	—	—	—	—	+

We also offer a number of extra accessories for this tablet to further enhance its functionality and comfort. Below is a list of available accessories. Click on the "Check" link to go to the description page and the price of the accessory.

Docking Station

The docking station allows you to easily and conveniently charge your tablet.

Check

Support for holding

Allows a comfortable and safe u

se
of
the
device
that
is
in
a
rubber
case

Check

Rubber case

The
device
is
even
more
robust
against
falls
and

other mechanical damage.

Check

Scan holder with LED

The scan holder ensures comfortable use of the

device
and
extends
the
shelf
life
of
the
tablet.

Check

More pictures of the device available in the "Gallery" tab.