

## Chainway P80-PF



Chainway P80-PF v.6 - Industry-adapted tablet with special directional buttons, 2D barcode scanner and NFC

<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	CHAINWAY
<b>Operating System:</b>	Android 9.0
<b>Display:</b>	8" (1920x1200px)
<b>Brightness:</b>	255 Nit
<b>Processor:</b>	Qualcomm SDM450 (8x1.80Ghz)
<b>Memory:</b>	4GB
<b>Hard Drive:</b>	-----
<b>Flash Memory:</b>	Yes
<b>Touch screen:</b>	Capacitive <b>multi-touch</b>
<b>Durability:</b>	IP65
<b>Drop:</b>	1.5m
<b>Shock:</b>	-----
<b>Vibration:</b>	-----
<b>Temperature:</b>	Operating temperature: -20°C - -50°C, Off temperature: -40°C - - 70°C
<b>Humidity:</b>	5% -- 95%
<b>1D barcode scanner (reader):</b>	-----
<b>2D barcode scanner (reader):</b>	Zebra SE4710 2D scanner
<b>RFID scanner (reader):</b>	<b>NFC</b> (13.56MHz)

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

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

**760,23 €**  
net price: 618,07 €



## CHAINWAY P80-PF

Industrial crash-resistant tablet  
for use in the toughest conditions

**SPECIFICATION**

**RESISTANCE**

**DATA COLLECTING**

**WIRELESS COMMUNICATION**

**APPLICATION**

**AVAILABLE VERSIONS AND ACCESSORIES**

Chainway P80-PF 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-PF

Processor	Qualcomm SDM450 (8x1.80Ghz)
Graphics	Qualcomm Adreno 506 GPU
Operating system	Android 9.0
RAM	4GB
ROM	64GB
Display	8"   1920x1200 IPS
Touch screen	Capacitive (multi-touch)
Battery	8000mAh
Camera	5Mpx Front   13Mpx Rear
Protection	IP65

Chainway P80-PF	
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 ( RFID UHF 1D/1P/2*)
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-PF 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

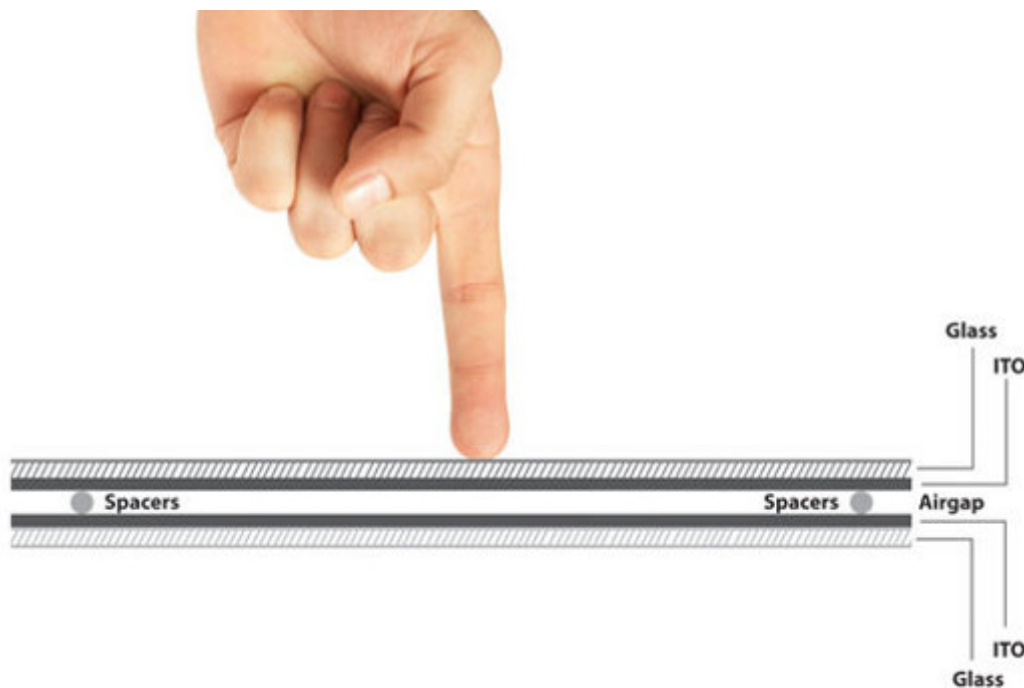
P80-PF

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.

<b>Dimensions</b>	250.8 x 152 x 15mm
<b>Net weight</b>	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

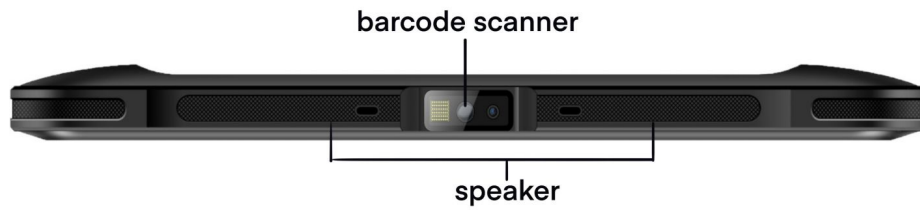




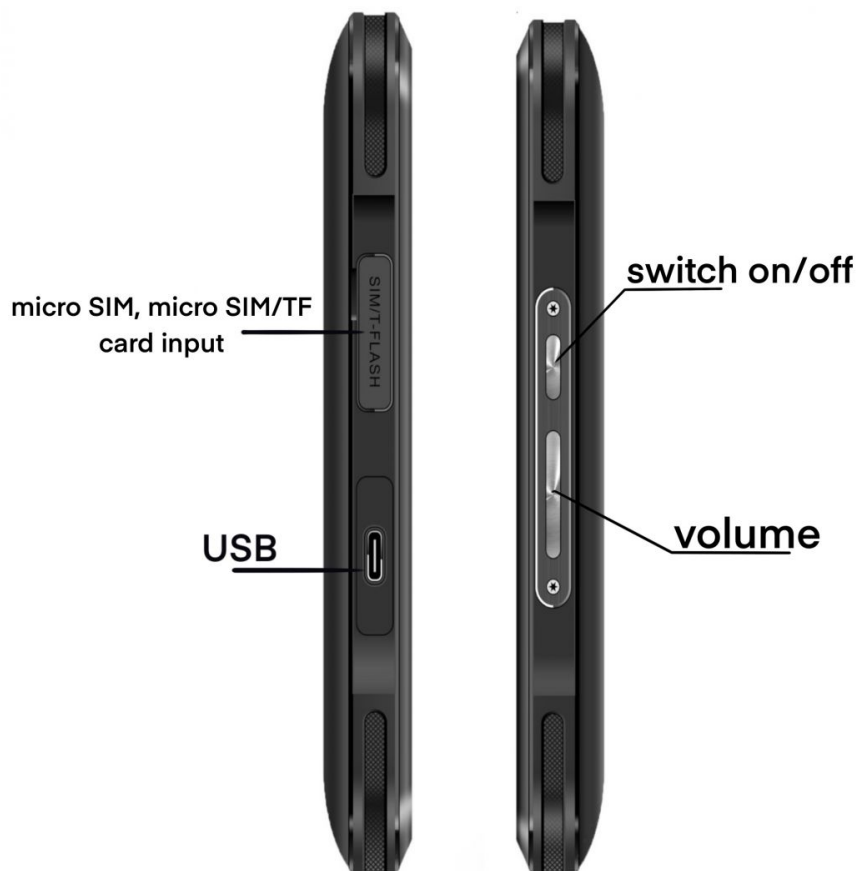
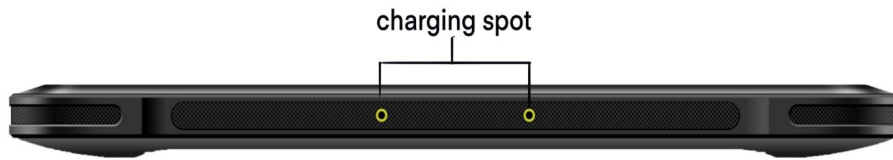
rear camera FLASH lamp



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.

<p><b>IP6X</b></p>	<p>No ingress of dust, complete protection against contact. A vacuum must be applied. Test duration of up to 8 hours based on air flow.</p>
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**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-PF

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

<b>Working Temp.</b>	$-20^{\circ}\text{C}$ to $50^{\circ}\text{C}$
<b>Storage Temp.</b>	$-40^{\circ}\text{C}$ do $70^{\circ}\text{C}$

**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 (option)

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  
ISO11  
784/  
5  
support

**RFID UHF  
(option 2)**

865-868MHZ

Support  
for  
EPC

protocol

C1

GEN2/

ISO

18 000-

6C

Read distance

30-100

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.

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

<b>Standards</b>	802.11 a/b/g/n/ac/d/e/h/i/k/r/v, 2.4G/5G
<b>Frequencies</b>	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-PF 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 (Rear UHF Clip) 15m	—	—	+	—	—	—	+	—	—
UHF-1P (Rear UHF Clip) 15m	—	—	—	+	—	—	—	+	—
UHF-2 (Front UHF) 30-100cm	—	—	—	—	+	—	—	—	+
Direction keys-7	—	—	—	—	—	+	+	—	—
PSAM	—	—	—	—	—	—	—	—	+

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 u  
se  
of  
the

device  
and  
extends  
the  
shelf  
life  
of  
the  
tablet.

Check



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