



MobiPad ST800B v.9 - Industrial tablet with MIL-STD-810G, 4G and Bluetooth 4.0 standards and UHF RFID, NFC scanner, high-precision GPS, 4GB RAM and 64GB disk



Category:	UMPC - Ruggedized
Manufacturer:	Sincoole
Operating System:	WINDOWS 10
Display:	8" (1920 x 1200)
Brightness:	400 nits
Processor:	Intel Cherry Trail Z8350 (4x 1.44 GHz)
Memory:	4GB
Hard Drive:	-----
Flash Memory:	64GB EMMC
Touch screen:	Capacitive
Durability:	IP65
Drop:	1.2m
Shock:	MIL-STD-810G
Vibration:	MIL-STD-810G

Temperature:	Operating temperature: -20°C -- 60°CStorage temperature: -25°C -- 80°C
Humidity:	0% -- 90%
1D barcode scanner (reader):	No
2D barcode scanner (reader):	Opc. (Honeywell N3680)
RFID scanner (reader):	NFC (13,56MHz) front NFC (optional) 900MHz UHF RFID
Other:	Fingerprint module (optional)
Battery:	7800mAh Lithium
Working time on battery:	6h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	RJ45
WLAN:	IEEE 802.11 a/b/c/g/n (Dual band)
Bluetooth:	Bluetooth 4.0
WAN:	4G Fre: FDD: B1,B2, B3, B4, B5, B7, B8, B28 TDD: B40 WCDMA: B1, B2, B4, B5, B8 GSM: B2, B3, B5, B8
GPS:	Yes high precision GPS
Camera:	Rear: 5Mpx, FlashFront: 2Mpx
In/Out:	Audio Jack Micro USB normal USB RS232 pogopin back and bottom micro SD nano SIM
Optional accessories:	-----
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	RS232
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	-----
Chipset:	-----

BIOS:	-----
Casing material:	ABS/PC/rubber/aluminum
Flash Card Reader:	micro SD
CD/DVD:	-----
Audio:	Built-in microphone and speaker
Keyboard:	Onscreen
Additional Navigation Devices :	-----
Color:	-----
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	No
Security:	-----
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	228mm x 137mm x 13.3mm - 600g
Fanless casing:	Yes
Weight:	600g

956,95 €

net price: 778,01 €



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

MobiPad ST800B 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.

SPECIFICATION

MobiPad ST800B

Processor

Intel Cherry Trail Z8350 (4x 1.44 GHz)

MobiPad ST800B

Operating system	WINDOWS 10
RAM	4GB
ROM	64GB EMMC
Display	8", 1920x 1200
Touch screen	Capacitive
Battery	7800mAh
Camera	2Mpx Front 5Mpx Rear
Protection	IP65 1.2m. drops
Communication	3G/4G Bluetooth 4.0 NFC Wi-Fi GPS
Connectors	Micro USB USB Audio Jack RJ45 RS232 pogo pin
Memory card	Micro SD
SIM card	Nano SIM
UHF RFID Scanner	900 MHz UHF RFID
High Precision GPS	GPS with high precision 0.3m-1m
2D Scanner *	Honeywell N3680 (optional)
Front NFC *	optional
Fingerprint module *	optional

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Optional equipment, available on specific versions only.



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

Dustproof industrial tablet MobiPad ST800B was equipped with high performance, energy-efficient Intel Cherry Trail Z8350 (4x 1.44 GHz) processor. Inside, there are four 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 full HD video and movies. Low power consumption guarantees long battery life.

Ergonomic design

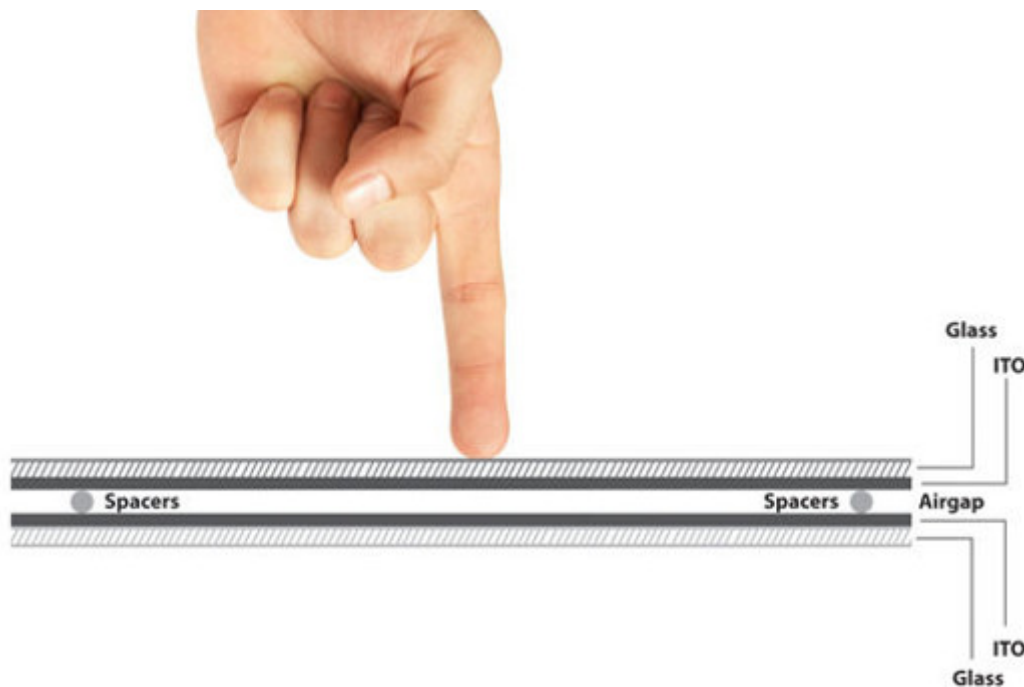


MobiPad ST800B industrial tablet is designed for resistance and convenience. The sleek and rugged 13.3mm thick design and stylish case will make the tablet very well suited for industrial use and more. The unique size has been carefully thought out to make the device more comfortable and ergonomic.

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	228mm x 137mm x 13.3mm
Net weight	600g

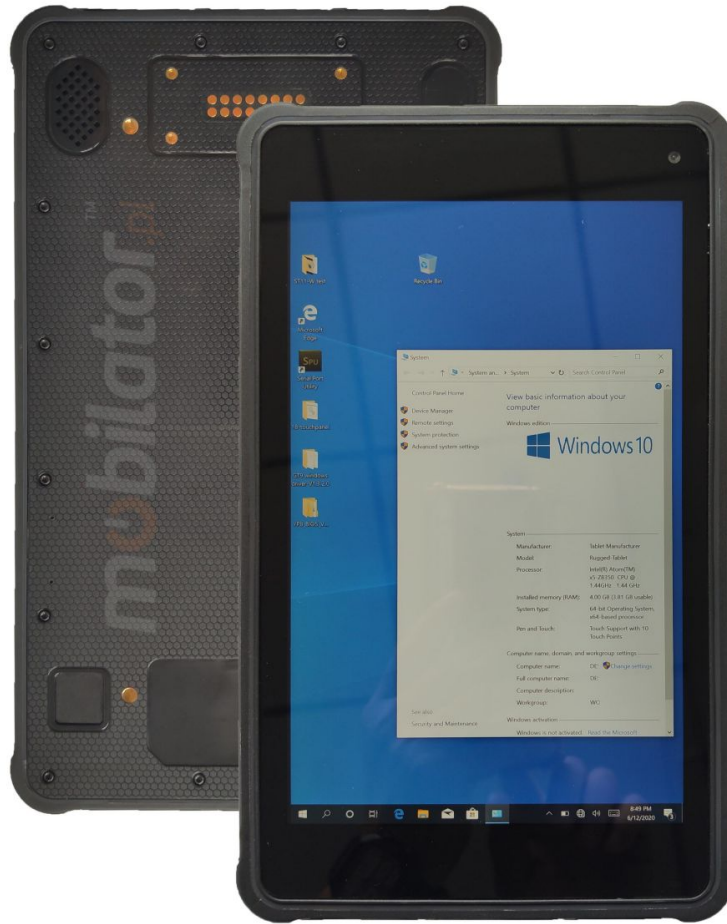
Capacitive screen



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.

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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 water jets (12.5 l / min) poured on the housing from any side.

MIL-STD 810 Standard

The MIL-STD-810 is a strict military standard used in the United States Army. It determines the immunity of the equipment to severe environmental and weather conditions such as extreme low and high temperatures, temperature changes, rain or dust, as well as various accidents (shocks, floods, high altitude falls, etc.). Although the MIL-STD-810 is mainly used for military equipment, it is often used by private companies that produce equipment that requires unmatched durability.

1.2m drop resistance

Specially designed construction gives the machine a chance of accidental falls from up to 1.2 meters in operating mode, even on hard surfaces.

Extreme temperatures

MobiPad ST800B is suitable for continuous operation in both low and high temperatures in the range of -20 ° C to 60 ° C. When the device is off, it can handle temperatures ranging from -25 ° C to 80 ° C. In addition, the rugged industrial tablet performs well in rooms with increased humidity, ensuring proper operation even with 90% relative humidity.

Working Temp.	-20°C to 60°C
Storage Temp.	-25°C do 80°C
Humidity	0% do 90%

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WIRELESS COMMUNICATION

GPS Navigation

Waterproof tablet MobiPad ST800B is equipped with a professional GPS module with GLONASS support, combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily reach any destination. The device can be optionally equipped with a high precision GPS module.

Bluetooth 4.0

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 Emode I18H, is equipped with the latest 802.11n technology, which allows file transfer speeds up to 150 Mb/s.

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

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DATA COLLECTING

Barcode scanner

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, data collector as a 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.



2D Scanner	Honeywell N3680
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Optional equipment, available on specific versions only.

Radio Frequency Identification (RFID)

RFID is a technology used to identify objects and control the flow of products. Reading information from special tags that are attached to objects (but not only because RFID is also used to mark animals and even people) is done by radio. Depending on the type of tag, the amount of information it can store changes, as well as the maximum distance from which data can be read. RFID tags are an alternative to barcodes - more convenient and more efficient. The UHF is using 900MHz frequency.

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APPLICATION

Trade and Services

Thanks to their size and light weight, tablet and smartphone data collectors are a useful tool for sales representatives. Today's applications running under the collector system enable even entering the data collector'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 collectors 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 and data collectors are characterized by high resistance to adverse working conditions. Tightness, dust and water resistance of enclosures, certified by IP (dust and water resistance standards) and often MIL-STD military standard, can withstand even the harshest conditions in

industrial infrastructure or on the construction site. With appropriate applications, collectors can be used for control and control of various industrial processes, as well as for data collection and analysis.



Warehouse

An industrial data sheet 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 data collectors are undoubtedly: time savings, customer satisfaction thanks to the correct price and speed of operation.



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ACCESSORIES AND AVAILABLE VERSIONS

The industry-leading MobiPad ST800B 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.



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

	v.1	v.2	v.3	v.4	v.5	v.6	v.7	v.8
scanner 2D Honeywell N3680	—	+	—	—	+	+	+	+
UHF RFID	—	—	+	—	+	—	—	—
czytnik linii papilarnych	—	—	—	—	—	—	+	—
przedni NFC	—	—	—	+	—	—	—	+
wysokiej precyzji GPS	—	—	—	—	—	+	—	—
	v.9	v.10	v.11	v.12	v.13	v.14	v.15	v.16
scanner 2D Honeywell N3680	—	—	+	+	+	+	+	+
UHF RFID	+	+	+	+	+	+	—	+
czytnik linii papilarnych	—	—	—	—	+	—	+	+
przedni NFC	—	+	—	+	—	+	+	+
wysokiej precyzji GPS	+	—	+	—	+	+	+	+