



Rugged Industrial Tablet MobiPad ST85SL ANDROID 7.0 v.2

Category:	UMPC - Ruggedized
Manufacturer:	Sincoole
Operating System:	Android 7.0
Display:	8" (1280 x 800)
Brightness:	400Nit
Processor:	Qualcomm MSM8940 (8x1.4GHz)
Memory:	2GB DDR3L
Hard Drive:	-----
Flash Memory:	32GB eMMC
Touch screen:	Capacitive (5-point touch, can be use with capacitive pen)
Durability:	IP67
Drop:	1.2m
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -20°C -- 60°C Storage temperature: -30°C -- 70°C

Humidity:	0% -- 95%
1D barcode scanner (reader):	2D Newland EM3096 (CMOS)
2D barcode scanner (reader):	2D Newland EM3096 (CMOS)
RFID scanner (reader):	No
Other:	-----
Battery:	8400 mAh
Working time on battery:	10h
Fast battery replacement ability:	Tak
HotSwap battery:	-----
LAN:	-----
WLAN:	802.11a/b/g/n/ac (Dual Band 2.4GHz & 5Ghz)
Bluetooth:	Bluetooth 4.1
WAN:	4G: FDD-LTE - B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B283G: WCDMA: B1/B2/B5/B8 GSM: 850/900/1800/1900
GPS:	Yes with GLONASS support
Camera:	Rear: 13Mpx, AutoFocusFront: 5Mpx
In/Out:	Audio Jack USB-Type C
Optional accessories:	-----
Docking station connector:	No
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	Adreno 505
Chipset:	-----
BIOS:	-----
Casing material:	-----

Flash Card Reader:	SD (up to 128GB)
CD/DVD:	-----
Audio:	Built-in microphone and speaker
Keyboard:	Onscreen + functional buttons
Additional Navigation Devices :	-----
Color:	Black-Grey
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	No
Security:	Corning Gorilla 3th Gen.
Waterproof:	IPX7
Sand and dust:	IP6X
Size:	235,5mm x 146mm x 13,5mm - 645g
Fanless casing:	Yes

3 968,47 zł

net price: 3 226,40 zł



SPECIFICATION

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

MODULES

MobiPad ST85SL is a modern, waterproof industrial tablet designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP67, which confirms the protection of the device against dust and water.

SPECIFICATION

MobiPad ST85SL	
Processor	Qualcomm MSM8940 (8x1.4GHz)
Graphics	Adreno 505
Operating system	Android 7.0
RAM	2GB DDR3L
ROM	32GB eMMC
Display	8", 1280 x 800
Touch screen	Capacitive
Battery	8400mAh
Camera	5Mpx Front 13Mpx Rear
Protection	IP67 1.2m. drops
Communication	4G Bluetooth NFC Wi-Fi GPS
Connectors	USB-Type C Audio Jack
Memory card	Support SD card (up to 128GB)
SIM card	1x SIM
2D Scanner	2D Newland EM2096



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

Dustproof industrial tablet
MobiPad ST85SL
was equipped with high performance, energy-efficient

Qualcomm MSM8940 (8x1.4GHz) 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 full HD video and movies. Low power consumption guarantees long battery life.

Ergonomic design



MobiPad ST85SL industrial tablet is designed for resistance and convenience. The sleek and rugged 18mm 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	242mm x 152mm x 18mm
Net weight	630g

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.

RESISTANCE



IP67 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.

IPX7

Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects.

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 ST85SL 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 -30 ° 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 60°C
Storage Temp.	-30°C do 70°C
Humidity	0% do 95%

WIRELESS COMMUNICATION

GPS Navigation

Waterproof tablet MobiPad ST85SL 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.

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 is equipped with the latest 802.11ac technology, which allows file transfer speeds up to 1000 Mb/s.

Standards	802.11(a/b/g/n/ac)
Frequencies	2.4GHz/5.0GHz (Dual-Band)

APPLICATION

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.



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.



MODULES

Near Field Communication

It's a set of ideas and technology that enables smartphones and other devices to establish radio communication with each other by touching the devices together or bringing them into proximity to a distance of typically 10 cm or less. NFC devices are used in contactless payment systems, similar to those used in credit cards and electronic ticket smartcards and allow mobile payment to replace/supplement these systems. NFC is used for social networking, for sharing contacts, photos, videos or files.



Barcode Scanner 2D

A barcode scanner enables you to read, decode and send data to a computer written in a bar code. With dynamic scanning capabilities and a large reading range, the data computer gets the data accurately, helping to increase speed and productivity. You can quickly launch the scanner because of the simplified installation procedure and intuitive, convenient construction of the scanner to work is very easy. In this model was installed a 2D scanner - Newland EM3096.



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

v.1

v.2

2D Newland EM-2096

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