



Mobipad 08DS-RTNL v.10 - IP68 dust and water resistant tablet with GPS, 5G, NFC, 1D/2D barcode scanner, Windows 10 - designed for logistics and geolocation applications

Category:	UMPC - Ruggedized
Manufacturer:	Mobikator
Operating System:	Windows 10
Display:	8" 1920x1200
Brightness:	700 nits
Processor:	Intel N5100
Memory:	16GB
Hard Drive:	No
Flash Memory:	256GB
Touch screen:	Capacitive 10-point touch
Durability:	IP68
Drop:	1.2m
Shock:	MIL-STD-810G
Vibration:	MIL-STD-810G
Temperature:	Operating temperature: -20°C -- 60°C Storage temperature: -30°C --70°C
Humidity:	0% -- 95%
1D barcode scanner (reader):	Brak
2D barcode scanner (reader):	Newland N1

RFID scanner (reader):	No
Other:	NFC
Battery:	5000mAh
Working time on battery:	7h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	Yes
WLAN:	IEEE 802.11 a/b/g/n/ac (Dual band)
Bluetooth:	Bluetooth 5.0
WAN:	5G
GPS:	Yes
Camera:	Rear: 8Mpx, FlashFront: 5Mpx
In/Out:	POGO PIN, USB-C, USB 2.0, mini HDMI, micro-SIM, 3.5mm jack, TF, DC jack
Optional accessories:	Docking station, car docking station, hand strap, VESA stand and bracket
Docking station connector:	Yes
VESA standard – holders and mounts support:	Yes
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	No
Chipset:	---
BIOS:	-----
Casing material:	ABS/PC
Flash Card Reader:	TF card
CD/DVD:	No
Audio:	Built-in speaker x2, microphone

Keyboard:	Onscreen
Additional Navigation Devices :	No
Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP68, MIL-STD-810G
Waterproof:	IPX8
Sand and dust:	IP6X
Size:	227x142.4x22.9mm
Fanless casing:	Yes
Weight:	0.83kg

1 087,00 €

net price: 883,73 €



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The rugged Mobipad 08DS-RTNL industrial tablet is a compact and durable device designed for demanding field and industrial applications. Featuring an 8-inch display with 1920x1200px resolution and 700 nits of brightness, protected by Corning Gorilla

Glass III, it delivers excellent readability even under strong sunlight. Powered by the efficient N5100 processor, 16GB of RAM, and 256 GB of storage, it ensures smooth performance for business and field applications. Its IP68-certified housing provides full protection against dust and water, making it ideal for use in logistics, construction, and transportation.

SPECIFICATION

Mobipad 08DS-RTNL	
Processor	Intel N5100
Operating system	Windows 10
RAM	16GB 8GB * (optional)
SSD	256GB 128GB * (optional)
Display	8" TFT-LCD Corning Gorilla Glass III 1920x1200 700 nits
Touch screen	Capacitive (10-point)
Battery	5000mAh
Camera	5MP front FF 8MP rear AF
Protection	IP68

Mobipad 08DS-RTNL	
Communication	Wi-Fi Bluetooth 5.0 GPS 4G NFC * (option: none) 5G * (option: none)
Connectors	1x POGO PIN 1x USB Type-C 1x USB 2.0 1x Mini-HDMI 1x 3.5mm jack 1x DC 1x Micro-SIM 1x RJ-45
Memory card	TF card (max 256GB)
SIM card	Micro-SIM
Sensor	G-sensor, gyroscope, compass, distance sensor, light sensor
Barcode scanner	Newland N1 * (option: none)

* Optional equipment, available on specific versions only.



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

Ergonomic design

The rugged Mobipad 08DS-RTNL tablet, equipped with an Intel N5100 processor and 16GB RAM, delivers smooth performance even with

demanding tasks. Its smart power adjustment makes it ideal for data analysis, running applications, and fieldwork, ensuring reliability in tough conditions..



The industrial Mobipad 08DS-RTNL tablet is designed for demanding environments – from production halls to open construction sites. Its IP68-certified housing protects against dust and water, while reinforced seals absorb shocks and drops from 1.2 m. Strengthened corners and non-slip edges ensure a secure grip and comfortable handling, even in harsh field conditions.

Dimensions	227x142.4x22.9mm
Net weight	0.83kg

Capacitive screen

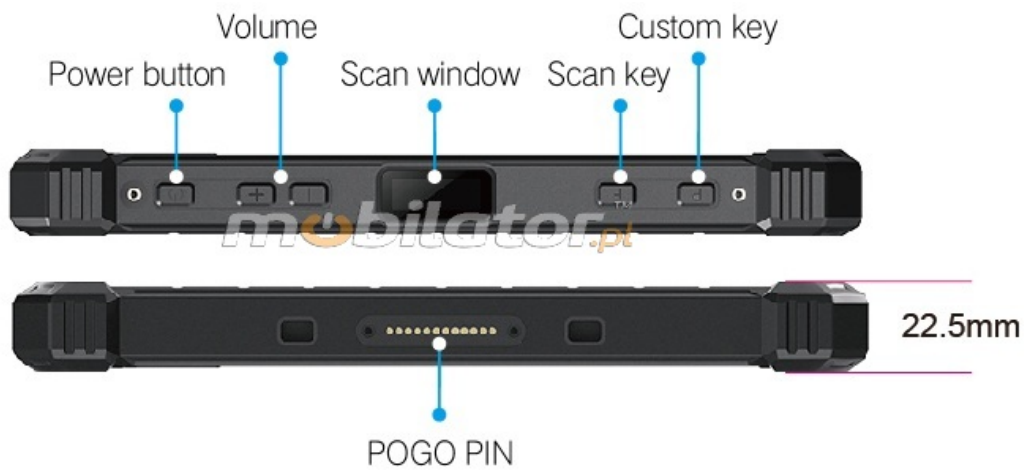
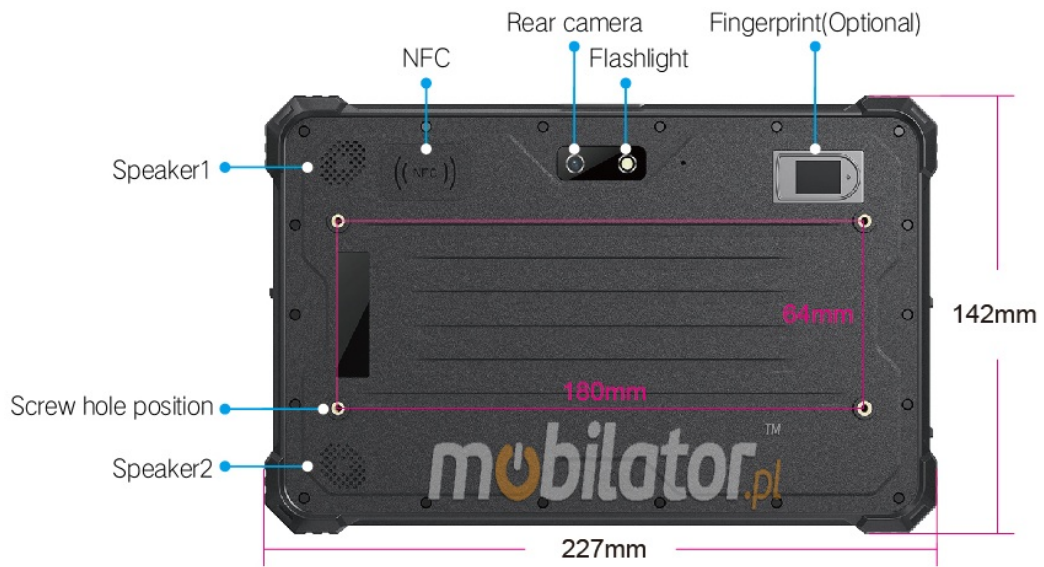


The Mobipad 08DS-RTNL industrial tablet features a TFT-LCD screen with 700 nits brightness and 1920×1200 px resolution, ensuring excellent readability even in direct sunlight. Its display is protected by durable Corning Gorilla Glass III, resistant to scratches and impacts. The 10-point capacitive touchscreen provides smooth navigation and fast data entry. With these features, the rugged tablet performs reliably both in office environments and challenging field conditions.

Connectors and buttons

The versatile Mobipad 08DS-RTNL industrial tablet provides a comprehensive set of interfaces, enabling easy connection of various accessories and peripherals. Users can take advantage of a USB-C port with OTG support, a standard USB 3.0, a mini HDMI connector, a 3.5 mm audio jack, as well as a SIM card slot and TF card reader. With this connectivity, the rugged tablet is ideal for both office use and field operations, delivering flexibility and reliability in any environment.







DATA COLLECTING

Barcode scanner (optional)

The built-in barcode scanner in the warehouse tablet ensures fast and accurate data capture, improving speed and efficiency. With a wide scanning range and simple setup, the device is ready to use

almost instantly.

Scanner 2D	Newland N1 *
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* Optional equipment, available on specific versions only.

RESISTANCE

IP68 protection class



The rugged Mobipad 08DS-RTNL tablet meets the IP68 standard, ensuring complete protection against dust and water. It is a reliable device designed for demanding industrial and field environments.

First digit	Protection level	Second digit
No special protection	0  0	No special protection
Protection from solid objects greater than 50mm in diameter	1  1	Protection from dripping water
Protection from object not greater than 12mm in diameter	2  2	Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter	3  3	Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter	4  4	Protection from splashed water
Complete protection against contact, Protection against dust deposit	5  5	Protection from water projected from a nozzle
Complete protection against contact, protection from infiltration of dust	6  6	Protection against heavy seas, or powerful jets of water
	 7	Protection against immersion
	 8	Protection against complete, continuous submersion in water

MIL-STD 810G Standard



The rugged military tablet Mobipad 08DS-RTNL meets the MIL-STD-810G standard, used by the U.S. Army. Its construction withstands drops from 1.2 m, ensuring reliable performance in demanding field and industrial conditions. This durable tablet guarantees safety and stability even in extreme situations.

Extreme temperatures

The field-ready Mobipad 08DS-RTNL tablet is designed for demanding environments and operates in temperatures from -20°C to 60°C . When stored, it withstands conditions from -30°C to 70°C . This rugged industrial tablet ensures reliability and stable

performance even in extreme environmental conditions.

Working Temp.	-10°C to 50°C
Storage Temp.	-15°C to 55°C
Humidity	0% to 95%

WIRELESS COMMUNICATION

GPS Navigation

The waterproof and rugged industrial Mobipad 08DS-RTNL

tablet is equipped with a precise GPS module with BeiDou and GLonass support that combines low power consumption with high location accuracy. This mobile field tablet enables fast and stable positioning, ensuring safe navigation even in challenging industrial and outdoor environments, thereby enhancing fieldwork efficiency.

Bluetooth 5.0

The modern and functional Mobipad 08DS-RTNL

tablet is equipped with Bluetooth 5.0, enabling energy-efficient short-range communication with devices such as printers, keyboards, RFID readers, scanners, or headsets. This high-performance mobile tablet offers greater connection stability and speed compared to previous versions, while reducing power consumption, thereby enhancing comfort and efficiency in field operations.

Wireless Wi-Fi

The professional Mobipad 08DS-RTNL

tablet supports dual-band Wi-Fi 802.11 a/b/g/n/ac, operating on both 2.4GHz and 5.8GHz bands. This enables fast access to local networks and the Internet, whether in the office or in the field, providing high stability and data throughput of up to theoretical 1300Mbps.

Standards	WiFi 802.11(a/b/g/n/ac)
Frequencies	2.4GHz/5.8GHz (Dual-Band)

NFC communication (optional)

NFC (Near Field Communication) technology is a short-range wireless communication standard that allows data exchange over just a few centimeters. NFC is ideal for applications such as access control, employee authentication, logistics, and payment processing. The modern industrial Mobipad tablet enables tag reading and integration with smart card systems.



* Optional equipment, available on specific versions only.

APPLICATION

Trade and Services

The durable and versatile Mobipad 08DS-RTNL

tablet is an ideal tool for sales and field representatives. With modern mobile applications, it enables fast data collection, client verification, offer presentation, and sales document generation. The mobile warehouse tablet allows for invoice creation, order management, and real-time ERP data synchronization, regardless of location, thanks to GSM and Wi-Fi connectivity.



Industry and Construction

Industrial and rugged tablets like the 08DS-RTNL

are designed for demanding work environments, offering

exceptional resistance to harsh conditions. The dust- and waterproof housing, certified to IP68, ensures safe operation in areas with high humidity, dust, or on construction sites and industrial floors. Equipped with appropriate mobile applications, the waterproof field tablet can serve as a tool for work supervision, data collection from construction sites, and management of technical infrastructure and personnel.



Service and Diagnostics

The efficient
08DS-RTNL
industrial tablet is ideal for automotive services and workshops. Its durable construction, resistance to harsh workshop conditions, and connectivity options - 4G LTE, Wi-Fi, and GPS—make it well-suited for demanding environments. The reinforced tablet assists technicians with rapid vehicle diagnostics, analysis of on-board system data, and handling service documentation. It also supports software for reading error codes, configuring vehicle systems, accessing

diagrams, and reviewing repair histories, enhancing both operational efficiency and precision.



ACCESSORIES AND AVAILABLE VERSIONS

VESA bracket



Bracket for mounting the tablet.

[Check](#)

VESA stand



Stand for use with the VESA bracket.

[Check](#)

Car holder/docking



Solid car docking station that allows for safe and stable mounting of the device.

[Check](#)

Docking station



Multifunctional docking station with communication ports.

[Check](#)

Hand strap



Makes it easier to use the tablet.

[Check](#)

The professional Mobipad 08DS-RTNL 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	v.10
8GB RAM+128GB ROM	+	+	+	+	+	-	-	-	-	-
16GB RAM+256GB ROM	-	-	-	-	-	+	+	+	+	+

NFC	-	-	+	+	+	-	-	+	+	+
5G	-	+	-	-	+	-	+	-	-	+
Scanner 2D	-	-	-	+	+	-	-	-	+	+



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