



Mobipad 08DS-RTMLHT v.1 - Rugged 8-inch IP68 tablet with MT8781, 12/256GB, Android 13, 4G LTE - reliable in construction and logistics

Category:	UMPC - Ruggedized
Manufacturer:	Mobikator
Operating System:	Android 13
Display:	8" 1280x800
Brightness:	700 nits
Processor:	MTK MT8781
Memory:	8GB
Hard Drive:	No
Flash Memory:	128GB
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):	No (available in other configuration)
RFID scanner (reader):	No

Other:	NFC
Battery:	10000mAh
Working time on battery:	10h
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:	4G
GPS:	Yes
Camera:	Rear: 16Mpx, FlashFront: 8Mpx
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
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:	0.81kg

510,15 €

net price: 414,76 €



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The rugged Mobipad 08DS-RTMLHT industrial tablet is a compact and durable device designed for demanding field and industrial applications. Featuring an 8-inch display with 1280x800px resolution and 700 nits of brightness, protected by Corning Gorilla Glass III, it delivers excellent readability even under strong sunlight. Powered by the efficient MT8781 processor, 12GB 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-RTMLHT	
Processor	MTK MT8781
Operating system	Android 13
RAM	12GB
SSD	256GB
Display	8" TFT-LCD Corning Gorilla Glass III 1280x800 1920x1200 * (optional) 700 nits 1300 nits * (optional)
Touch screen	Capacitive (10-point)
Battery	10000mAh
Camera	8MP front FF 16MP rear AF
Protection	IP68
Communication	Wi-Fi Bluetooth 5.0 GPS 4G NFC
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

Mobipad 08DS-RTMLHT	
Sensor	G-sensor, gyroscope, compass, distance sensor, light sensor
Barcode scanner	Newland N1 * (optional)

* Optional equipment, available on specific versions only.



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

Ergonomic design

The robust and high-performance Mobipad 08DS-RTMLHT tablet is powered by an Mediatek processor. This CPU intelligently allocates computing power for optimal performance. Combined with 12GB of RAM, the efficient industrial tablet handles demanding tasks such as data analysis, running specialized applications, and quick responses to field operations, making it ideal for challenging work environments.



The rugged and durable Mobipad 08DS-RTMLHT tablet is designed for demanding environments, from production halls to open construction sites. Its IP68-rated rugged housing protects internal components from dust and water, while reinforced seals absorb impacts from accidental drops up to 1.2m. Non-slip edges and strengthened corners ensure a secure grip, making this industrial-grade mobile tablet ideal for reliable operation in harsh conditions.

Dimensions	227x142.4x22.9mm
Net weight	0.81kg

Capacitive screen



The versatile Mobipad 08DS-RTMLHT

tablet features a TFT-LCD display combining 700nits brightness with a 1280x800px resolution, ensuring clear visibility even in direct sunlight. Its durable Corning Gorilla Glass III coating protects the screen from scratches and impacts, while the 10-point capacitive touchscreen allows precise navigation and fast data entry. This modern industrial tablet performs reliably in any environment—both in the office and out in the field.

Connectors and buttons

The versatile Mobipad 08DS-RTMLHT tablet offers a well-designed set of interfaces, allowing connection to a wide range of accessories.





DATA COLLECTING

Barcode scanner (optional)



The barcode reader installed in the warehouse tablet allows you to read, decode and send data stored in the barcode to the computer. Thanks to its dynamic scanning capabilities and wide reading range, the mobile industrial tablet accurately collects data, which helps increase the pace and efficiency of work. The whole thing can be started quickly, because thanks to the simplified installation procedure and intuitive, convenient design, preparing the scanner for work is very easy.

Scanner 2D

Newland N1



* Optional equipment, available on specific versions only.

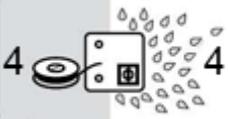
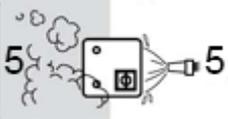
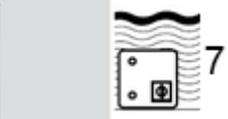
RESISTANCE

IP68 protection class



The rugged Mobipad 08DS-RTMLHT tablet for special tasks meets the IP68 standard, providing strong protection against dust and temporary immersion in water. It is a reliable solution for industries where equipment durability and resistance to harsh working conditions are essential.

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°)

First digit	Protection level	Second digit
Protection from object not greater than 2,5mm in diameter		Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter		Protection from splashed water
Complete protection against contact, Protection against dust deposit		Protection from water projected from a nozzle
Complete protection against contact, protection from infiltration of dust		Protection against heavy seas, or powerful jets of water
		Protection against immersion
		Protection against complete, continuous submersion in water

MIL-STD 810G Standard



The durable and rugged military-grade Mobipad 08DS-RTMLHT

tablet meets the MIL-STD-810G standard, a military durability benchmark used by, among others, the U.S. Army, defining equipment resistance to harsh environmental conditions. Thanks to its mechanical resilience compliant with MIL-STD-810G (drop from 1.2 m), this industrial mobile tablet is perfectly suited for demanding field and industrial environments, offering reliability and safety even in extreme situations.

Extreme temperatures

The field-ready Mobipad

08DS-RTMLHT

tablet, designed for operation in challenging conditions, is capable of continuous use across a wide temperature range from -20°C to 60°C. When powered off, this durable industrial tablet can withstand temperatures from -30°C to 70°C, ensuring reliability 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-RTMLHT

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-RTMLHT

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-RTMLHT

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

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.

NFC 13.56MHz
 Obsługa protokołów ISO14443A,
 ISO14443B, ISO15693, MIFARE
 Classic
 Zasięg do 3cm



APPLICATION

Trade and Services

The durable and versatile Mobipad 08DS-RTMLHT 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-RTMLHT

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-RTMLHT

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-RTMLHT 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
Scanner 2D	—	+	—	+	—	+
700 nits (1280x800)	+	+	—	—	—	—

700 nits (1920x1200)	-	-	+	+	-	-
1300 nits (1280x800)	-	-	-	-	+	+



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