



Mobipad 688DS-RTML v.2 - Rugged IP68 industrial tablet with DualSIM, 8inch screen, Android 11, NFC, 6GB RAM - for warehouses and logistics

Category:	UMPC - Ruggedized
Manufacturer:	Mobikator
Operating System:	Android 13
Display:	6.86" 800x1340
Brightness:	450 nits
Processor:	MTK MT8788
Memory:	6GB
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: -10°C -- 50°C Storage temperature: -15°C -- 55°C

Humidity:	0% -- 95%
1D barcode scanner (reader):	Brak
2D barcode scanner (reader):	No
RFID scanner (reader):	No
Other:	-----
Battery:	5800mAh
Working time on battery:	10h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	IEEE 802.11 a/b/g/n/ac (Dual band)
Bluetooth:	Bluetooth 4.2
WAN:	4G
GPS:	Yes
Camera:	Rear: 13Mpx, FlashFront: 5Mpx
In/Out:	USB Type-C, 2x SIM
Optional accessories:	None
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:	ARM Mali-G72 MP3
Chipset:	---
BIOS:	-----
Casing material:	ABS/PC
Flash Card Reader:	None

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:	219x134x11.5mm
Fanless casing:	Yes
Weight:	0.48kg

1 548,25 zł

net price: 1 258,74 zł



SPECIFICATION

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The rugged Mobipad 688DS-RTML industrial tablet is a compact and durable device designed for demanding field and industrial applications. Featuring an 8.68-inch display with 800×1340 px resolution and 450 nits of brightness, protected by Corning Gorilla

Glass III, it delivers excellent readability even under strong sunlight. Powered by the efficient MT8788 processor, 6 GB of RAM, and 128 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. Connectivity options include 4G, Wi-Fi, Bluetooth, and GPS, while the 5800 mAh battery delivers up to 7 hours of continuous operation in the field.

SPECIFICATION

Mobipad 688DS-RTML	
Processor	MTK MT8788
Graphics	ARM Mali-G72 MP3
Operating system	Android 13
RAM	6GB (max 8GB)
ROM	128GB (max 256GB)
Display	6.86" TFT-LCD, 800x1340, 450 nitów, Corning Gorilla Glass III
Touch screen	Capacitive (10-point)
Battery	5800mAh
Camera	5MP front FF 13MP rear AF
Protection	IP68

Mobipad 688DS-RTML	
Communication	Wi-Fi Bluetooth 4.2 GPS 4G
Connectors	1x USB Type-C
Memory card	TF card* (optional)
SIM card	2x SIM* (option: 1x SIM)
Sensor	G-sensor, gyroscope, compass, distance sensor, light sensor

* Optional equipment, available on specific versions only.



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

Ergonomic design

The robust and high-performance Mobipad 688DS-RTML tablet is powered by an Mediatek processor. This CPU intelligently allocates computing power for optimal performance. Combined with 6GB 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 688DS-RTML

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	219x134x11.5mm
Net weight	0.48kg

Capacitive screen



The versatile Mobipad 688DS-RTML

tablet features a TFT-LCD display combining 450nits brightness with a 800x1340px 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.

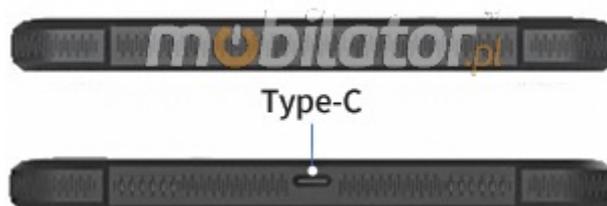
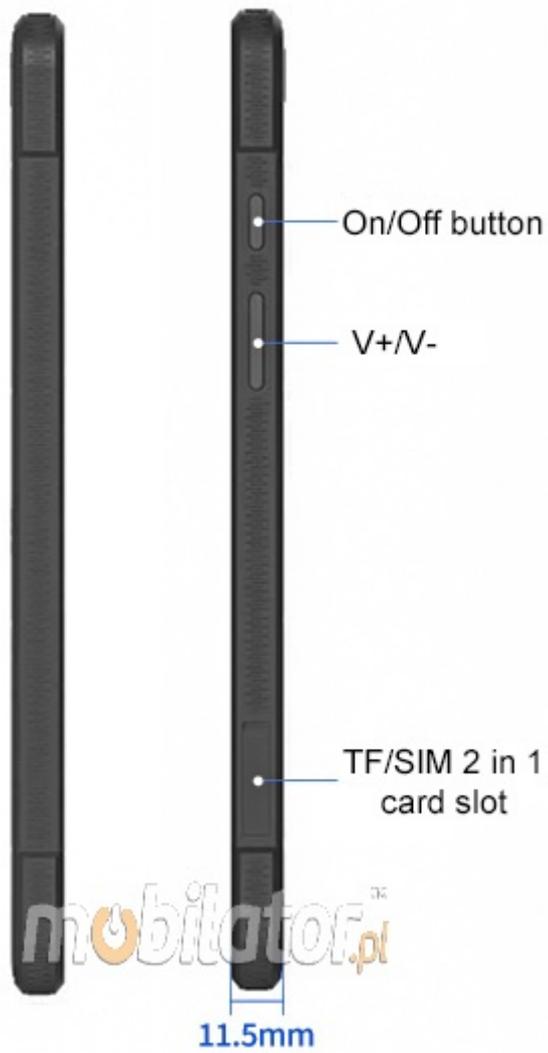
Connectors and buttons

The versatile Mobipad 688DS-RTML tablet offers a well-designed set of interfaces, allowing connection to a wide range of accessories.



rear camera 13MP





RESISTANCE

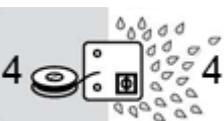
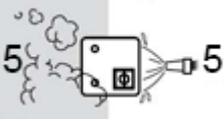
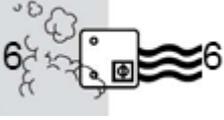
IP68 protection class

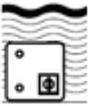
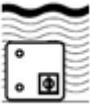


The rugged Mobipad 688DS-RTML

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

First digit	Protection level	Second digit
Protection from solid objects greater than 50mm in diameter		Protection from dripping water
Protection from object not greater than 12mm in diameter		Protection from vertically dripping water (tilted up to 15°)
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

First digit	Protection level	Second digit
		7 Protection against immersion
		8 Protection against complete, continuous submersion in water

MIL-STD 810G Standard



The durable and rugged military-grade Mobipad 688DS-RTML

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 688DS-RTML

tablet, designed for operation in challenging conditions, is capable of continuous use across a wide temperature range from -10°C to 50°C. When powered off, this durable industrial tablet can withstand temperatures from -15°C to 55°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 688DS-RTML

tablet is equipped with a precise GPS module 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 4.2

The modern and functional Mobipad 688DS-RTML

tablet is equipped with Bluetooth 4.2, 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

688DS-RTML

tablet supports dual-band Wi-Fi 802.11 a/b/g/n/ac, operating on both 2.4GHz and 5GHz 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/5GHz (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.

APPLICATION

Trade and Services

The durable and versatile Mobipad 688DS-RTML

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 688DS-RTML

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
688DS-RTML

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.



AVAILABLE VERSIONS

	v.1	v.2
DualSIM	—	
TF slot		—



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