intel. | Windows | WiFi | RoHS compliant

IP68

4G LTE

Mobipad 10DS-RTYF v.3 - Rugged 10.1-inch industrial tablet with i5-10210Y, 8/128GB, 4G, GPS, NFC, IP68, - for outdoor and military applications

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Windows 11 Pro
Display:	10.1" (1920x1200) 16:10
Brightness:	700 nits
Processor:	Intel Core i5-10210Y
Memory:	8GB
Hard Drive:	128GB SSD
Flash Memory:	No
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°CStorage temperature: -30°C -- 70°C
Humidity:	0% -- 95%
1D barcode scanner (reader):	No
2D barcode scanner (reader):	No (available in other configuration)
RFID scanner (reader):	No

Other:	**NFC**
Battery:	7.6V/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:	4G
GPS:	Yes
Camera:	Rear: 12MpxFront: 5Mpx
In/Out:	USB type C	USB 3.0 type A	POGO PIN	mini HDMI	3.5mm audio jack	Micro SIM	TF	RS232
Optional accessories:	Docking station, car holder, stylus, car charger
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	Yes
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	Intel UHD Graphics
Chipset:	Amber Lake
BIOS:	-----
Casing material:	ABS/PC
Flash Card Reader:	TF card (max. 256GB)
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:	276x180.5x22.5mm
Fanless casing:	Yes
Weight:	1.24kg

1 165,91 €
net price: 947,89 €

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The rugged Mobipad 10DS-RTYF industrial tablet is designed for demanding field and industrial environments. Equipped with a 10.1-inch display and an Intel Core i5 processor, it delivers high performance and reliability. The device comes with 8 GB of RAM and

128 GB of storage, while its IP68-certified housing ensures full protection against dust and water. The 1920×1200 px display with 700 nits brightness, reinforced with Corning Gorilla Glass III, guarantees excellent readability even in direct sunlight. Connectivity is provided by LTE, Wi-Fi, Bluetooth, and GPS modules, and the 5000 mAh battery allows up to 7 hours of continuous operation in the field.

SPECIFICATION

	Mobipad 10DS-RTY
Processor	Intel Core i
Graphics	Intel UHD
Operating system	Windows
RAM	8G 16G * (optic
SSD	128 256 * (optic
Display	10.1" TFT-LCD, 1920×1200, 700
Touch screen	Capacitive
Battery	7.6V/500
Camera	5MP front FF |
Protection	IP6

Mobipad 10DS-RTY...	
Communication	Wi-Fi | Bluetooth 5.0 | GPS+(...) 5G(...) * (optio(...) NF(...) * (option(...)
Connectors	1x POGO PIN (USB+Charging) 1x USB Type C (USB OTG+Charging) 1x USB 3.0 Typ(...)
Memory card	TF, up to(...)
SIM card	Micro(...)
Sensor	G-ser(...)
Scanner 2D	Newland N1*(...)

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

Ergonomic design

The rugged Mobipad 10DS-RTYF industrial tablet is powered by the advanced Intel Core i5-10210Y processor, which with its four cores and eight threads automatically adjusts performance to current tasks. Combined with 8 GB of RAM, it ensures smooth and stable

operation even when running demanding applications, processing large datasets, or working in harsh industrial and outdoor environments. This durable rugged tablet is the perfect solution for professionals who require a reliable device for fieldwork in logistics, construction, transportation, and technical service.

The rugged Mobipad 10DS-RTYF tablet is designed for extreme environments – from busy production halls to challenging open construction sites. Its durable IP68-rated casing protects internal components from dust and water, while reinforced seals absorb shocks and minimize the impact of drops from up to 1.2 meters. Non-slip edges and reinforced corners ensure a secure grip, making this rugged tablet a reliable tool for professionals working in the field.

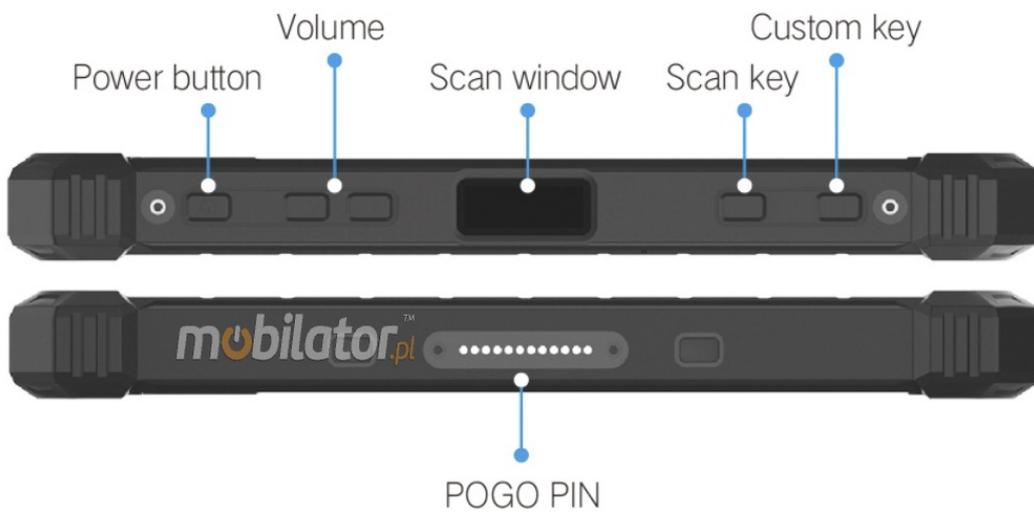| Dimensions	276 x 180.5x 22.5mm
Net weight	1.24 kg

The functional Mobipad 10DS-RTYF industrial tablet features a modern TFT-LCD display with 700 nits of brightness and 1920×1200 px resolution, ensuring excellent readability even under direct sunlight. The screen is protected by durable Corning Gorilla Glass III, which resists scratches and impacts, while the 10-point capacitive touchscreen guarantees precise navigation and fast data input. With these features, this rugged tablet is suitable for both office use and

demanding outdoor environments – making it an ideal field tablet for logistics, warehousing, construction, and transportation professionals.

The versatile Mobipad 10DS-RTYF industrial tablet comes with a comprehensive set of ports and interfaces, allowing connection of a wide range of accessories and peripheral devices. These include USB-C with OTG and charging support, USB 3.0, mini HDMI, a 3.5 mm audio jack, as well as a micro-SIM slot and TF card reader, making this tablet perfect for office tasks and fieldwork alike.

Rear camera

Flashlight

Fingerprint(Optional)

Speaker1

NFC

180.5mm

Screw hole position

Speaker2

IP-68

276mm

Volume

Power button

Scan window

Custom key

Scan key

POGO PIN

DC-5V

HDMI

SIM+TF slot

TYPE-C

RS232

RJ45

Earpiece jack

USB

22.5mm

DATA COLLECTING

Barcode scanner (optional)

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The industrial mobile tablet Mobipad 10DS-RTYF, featuring a built-in barcode scanner, allows fast reading and seamless data transfer to a computer. With its wide scanning range and precise module, this rugged tablet boosts warehouse productivity, improving speed and accuracy in logistics operations.

Scanner 2D	Newland N1*

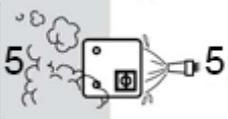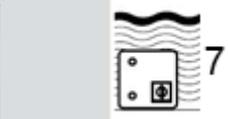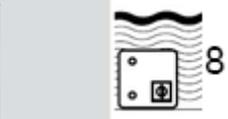*Optional equipment, available on specific versions only.

RESISTANCE

IP68 protection class

The rugged Mobipad 10DS-RTYF tablet, with IP68 certification, offers superior protection against dust and temporary water immersion. This reliable industrial tablet is perfect for industries requiring durable equipment capable of withstanding harsh working conditions in warehouses, production halls, and outdoor 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°)

First digit	Protection level		Second digit
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 protectionm 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
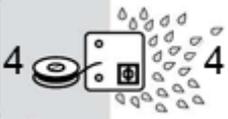
MIL-STD 810G Standard

The rugged Mobipad 10DS-RTYF military tablet meets the MIL-STD-810G standard, used by the US military, ensuring durability in harsh environmental conditions. With mechanical resistance (drop from 1.2 m), this industrial tablet is perfect for demanding field and industrial environments, providing reliability and safety even in extreme situations.

Extreme temperatures

The rugged Mobipad 10DS-RTYF field tablet is designed for operation in demanding conditions, functioning reliably in temperatures from -

10°C to 50°C. When powered off, the industrial tablet can withstand temperatures from -30°C to 70°C, ensuring dependable performance even in extreme environmental conditions.

Working Temp.	-10°C to 50°C
Storage Temp.	-30°C to 70°C
Humidity	0% to 95%

WIRELESS COMMUNICATION

GPS Navigation

The rugged and waterproof industrial tablet Mobipad 10DS-RTYF features a high-precision GPS module, combining accurate positioning with low power consumption. This field-ready mobile tablet enables fast and stable location tracking, ensuring safe navigation even in challenging industrial and outdoor environments, enhancing efficiency in field operations.

Bluetooth 5.0

The advanced industrial tablet Mobipad 10DS-RTYF features Bluetooth 5.0, enabling energy-efficient, short-range communication with peripheral devices such as printers, keyboards, RFID readers, scanners, and headphones. With improved connection stability and faster data transfer compared to previous versions, this rugged mobile tablet enhances fieldwork comfort and operational efficiency.

Wireless Wi-Fi

The professional Mobipad 10DS-RTYF tablet supports dual-band Wi-Fi 802.11 a/b/g/n/ac at 2.4 GHz and 5.8 GHz, providing fast and stable access to local networks and the Internet both in the office and in the field. With data throughput up to 1300 Mbps, this rugged tablet ensures smooth operation, efficient file transfers, and reliable online connectivity in any environment.

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

NFC (Near Field Communication) technology in industrial tablets provides a short-range wireless communication standard, enabling fast data exchange within a few centimeters. NFC is perfect for applications such as access control, employee authorization, logistics, and payment processing. The advanced Mobipad 10DS-RTYF tablet allows NFC tag reading and integration with smart card systems, enhancing operational efficiency in businesses and warehouses.

NFC 13.56MHz

Obsługa protokołów ISO14443A, ISO14443B, ISO15693, MIFARE Classic

Zasięg do 3cm

APPLICATION

The rugged and versatile Mobipad 10DS-RTYF tablet is an essential tool for sales representatives and field workers. Equipped with advanced mobile applications, it enables fast data collection, client verification, product presentations, and sales document generation. This mobile warehouse tablet also supports invoice creation, order processing, and real-time data synchronization with ERP systems, regardless of location, thanks to GSM and Wi-Fi connectivity.

Industry and Construction

The rugged and waterproof Mobipad 10DS-RTYF industrial tablet features dust and water resistance (IP68), ensuring safe operation in challenging conditions, production halls, and construction sites. With advanced mobile applications, this versatile field tablet is perfect for

work supervision, data collection, and efficient management of infrastructure and human resources.

Service and Diagnostics

The powerful and rugged Mobipad 10DS-RTYF industrial tablet is perfect for car services and workshops. This workshop tablet, with its durable design and LTE, Wi-Fi, and GPS connectivity, supports technicians in vehicle diagnostics, on-board system data analysis, and handling service documentation. The option to install specialized software allows error reading, vehicle system configuration, and access to diagrams and repair history, improving work efficiency and precision.

ACCESSORIES AND AVAILABLE VERSIONS

We offer a range of additional accessories for this innovative tablet to further enhance its functionality and comfort of use. Below is a list of available accessories. Click on the accessory name or the "Check" link to be taken to a page with a description and price of the accessory.

Car charger

Image not found or type unknown

Reliable car charger that allows to charge the device while operating a vehicle.

Check

Stylus

Accurate stylus allowing for easier use of the device.

Check

Car holdeer

Solid car holder allowing for safer and easier use of the device in the car.

Check

Docking station

Multifunctional docking station with multiple ports.

Sprawdź

The professional Mobipad 10DS-RTYF 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
Core i5 (8+128)	+	+	+	+	+	—	—	—	—	—

Core i7 (16+256)	—	—	—	—	—	+	+	+	+	+
5G	—	+	—	—	+	—	+	—	—	+
NFC	—	—	+	+	+	—	—	+	+	+
Scanner 2D	—	—	—	+	+	—	—	—	+	+