



MobiPAD MR-803A v.8 - Industrial, drop-resistant tablets with MTK processor, Android 14, 8" resolution 800x1280, 1x TF and UHF RFID reader

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 14
Display:	8" 800x1280
Brightness:	450 nits
Processor:	MTK6877 8 cores (2x 2.4GHz + 6x 2.0GHz)
Memory:	8GB RAM
Hard Drive:	128GB ROM
Flash Memory:	---
Touch screen:	Capacitive 10 - point touch
Durability:	IP67
Drop:	1,2 m
Shock:	---
Vibration:	---
Temperature:	Operating temperature: -20°C ~ 60°C Storage temperature: -30°C ~ 70°C
Humidity:	up to 95%
1D barcode scanner (reader):	---
2D barcode scanner (reader):	Option 2D ZEBRA SE4710 or 2D Newland N1

RFID scanner (reader):	RFID UHF (10m-15m) NFC
Other:	-----
Battery:	8500mAh 3.8v
Working time on battery:	8h
Fast battery replacement ability:	Yes
HotSwap battery:	No
LAN:	RJ45
WLAN:	WiFi 6
Bluetooth:	Bluetooth 5.3
WAN:	5G
GPS:	GPS BeiDou Galileo GLONASS
Camera:	camera front: 5Mpxcamera rear: 13Mpx
In/Out:	1x Type-C USB 2.0 1x Type-A USB 2.0 1x DC 5V/3A1x Jack Pogo Pin 1x MicroSIM 1x TF 1x RJ45 2x Aviation plug
Optional accessories:	Yes
Docking station connector:	Yes
VESA standard – holders and mounts support:	---
COM port:	---
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	Yes
Graphics card:	---
Chipset:	---
BIOS:	-----
Casing material:	TPU PC ABS composite reinforced with 10% fiber and Al-Ti alloy
Flash Card Reader:	TF
CD/DVD:	-----
Audio:	2x speakers 2x MIC

Keyboard:	Onscreen
Additional Navigation Devices :	-----
Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP67
Waterproof:	IPX7
Sand and dust:	IP6X
Size:	227 x 142.4 x 22.9mm
Fanless casing:	Yes
Weight:	1108g

1 021,42 €
net price: 830,42 €

MobiPAD MR-803A



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The MobiPAD MR-803A is an advanced industrial tablet designed for use in environments where standard electronics fail. Its rugged, IP67-compliant design makes the device fully resistant to dust, water, and extreme field conditions. The 5G modem and powerful 8500 mAh battery ensure lightning-fast connectivity and hours of performance. This reliable tool for professionals combines high processing power with uncompromising durability.

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SPECIFICATION

MobiPAD MR-803A v.8

Processor	MTK6877 8 cores 2.4 GHz
Operating system	Android 14
RAM	8GB LPDDR4
ROM	128GB Hard Drive
Communication	Bluetooth 5.3 Wi-Fi 6 GPS 5G
Display	8" 1280×800 450 nits 16:10
Touch screen	Capacitive (10-point)
Protection	IP67

MobiPAD MR-803A v.8

SIM card	Micro SIM
Battery	8500mAh Charging Indicator
Connections	2x speakers 2x MIC 1x Type-C USB 2.0 1x Type-A USB 2.0 1x DC 5V/3A 1x Jack Pogo Pin 1x Micro SIM 1x TF 1xRJ45 2x Aviation plug *(optional)
Scanner 2D	2D ZEBRA SE4710 ** (optional) 2D Newland N1 ** (optional)
Radio readers	NFC RFID UHF - R2000 (10-15m) RFID UHF - PR9200 (3-5m) ** (optional)
Guarantee	1 year ** (optional 2 years)

*** Aviation plug available during device configuration**

**** Optional equipment available in the relevant product versions or on request**



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

The MobiPAD MR-803A is an advanced tablet equipped with an octa-core MTK6877 processor (2.4 GHz), ensuring smooth operation of even the most demanding processes. Its architecture has been optimized for specialized technical software, guaranteeing lightning-fast data processing in all field

conditions.

Ergonomic design

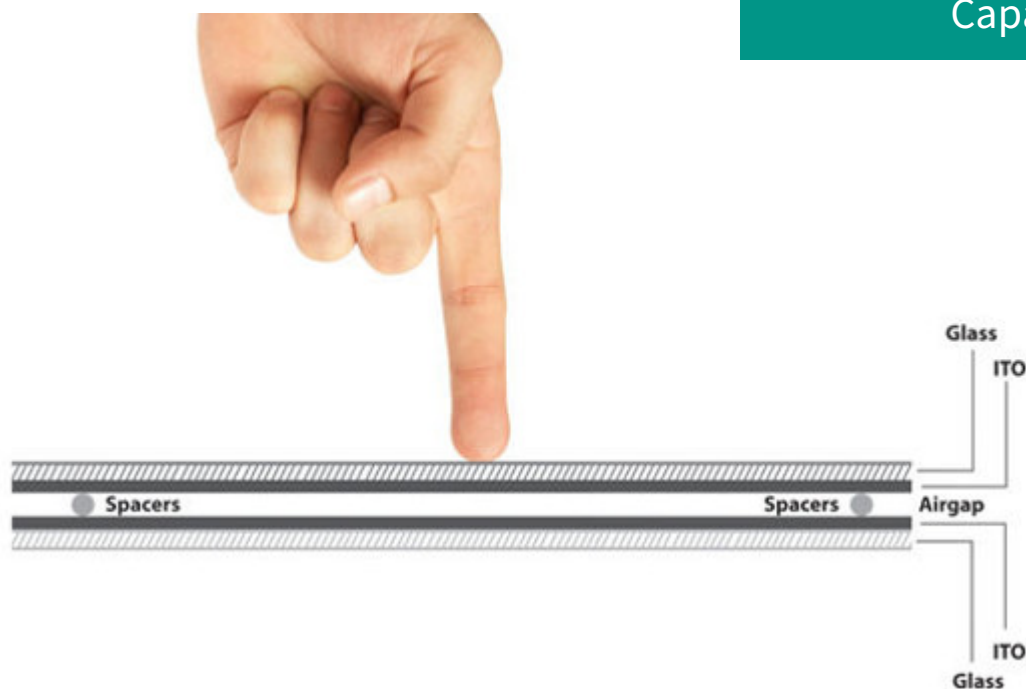
The device's design strikes the optimal balance between a large workspace and the mobility necessary for everyday work. The housing ensures maximum comfort of use and excellent display readability, making the MobiPAD MR-803A an ideal tool for tasks requiring complete freedom of movement in the field. Users of industrial tablets will appreciate its well-thought-out design.



The tablet's robust yet slim design ensures a secure grip and excellent ergonomics during long hours of field work. Optimal housing proportions allow for easy interface operation while maintaining a compact footprint, ensuring the device doesn't burden the technician and easily fits into a handheld device. This design harmony guarantees comfortable use of professional software, both in tight warehouse spaces and on open construction sites.

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Capacitive screen



A capacitive screen detects changes in the electric field on the display surface. When a finger—a natural conductor—approaches a glass layer with a conductive coating, it locally changes the electrical capacitance, which the sensors precisely

interpret as touch. These panels are characterized by high sensitivity, excellent transparency, and scratch resistance. In industrial applications, their key advantages are long life and high mechanical strength, guaranteeing reliable operation even under intensive use in harsh field conditions.

450 nits screen (800 | 1000 * optional)

A 450-nit display ensures complete readability in a variety of conditions – from production halls to well-lit outdoor workstations. This high luminance, combined with wide viewing angles, allows for instant data reading without the need for shadows or the hassle of adjusting the screen tilt.



The display parameters are optimized to eliminate reflections, significantly reducing eye fatigue during long shifts. High contrast and stable backlighting ensure precise interface operation and flawless interpretation of technical diagrams even in intense outdoor lighting. This is essential in environments where the readability of information directly determines work efficiency and pace.

*The device is available with a screen brightness of 800 or 1000 nits

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Connectors, buttons and dimensions

The MobiPAD MR-803A is designed for maximum usability in the most demanding sectors. A wide range of communication ports and a high level of durability make the device fully ready for intensive use in harsh industrial, logistics, and field environments, ensuring reliability where every minute counts.

227mm

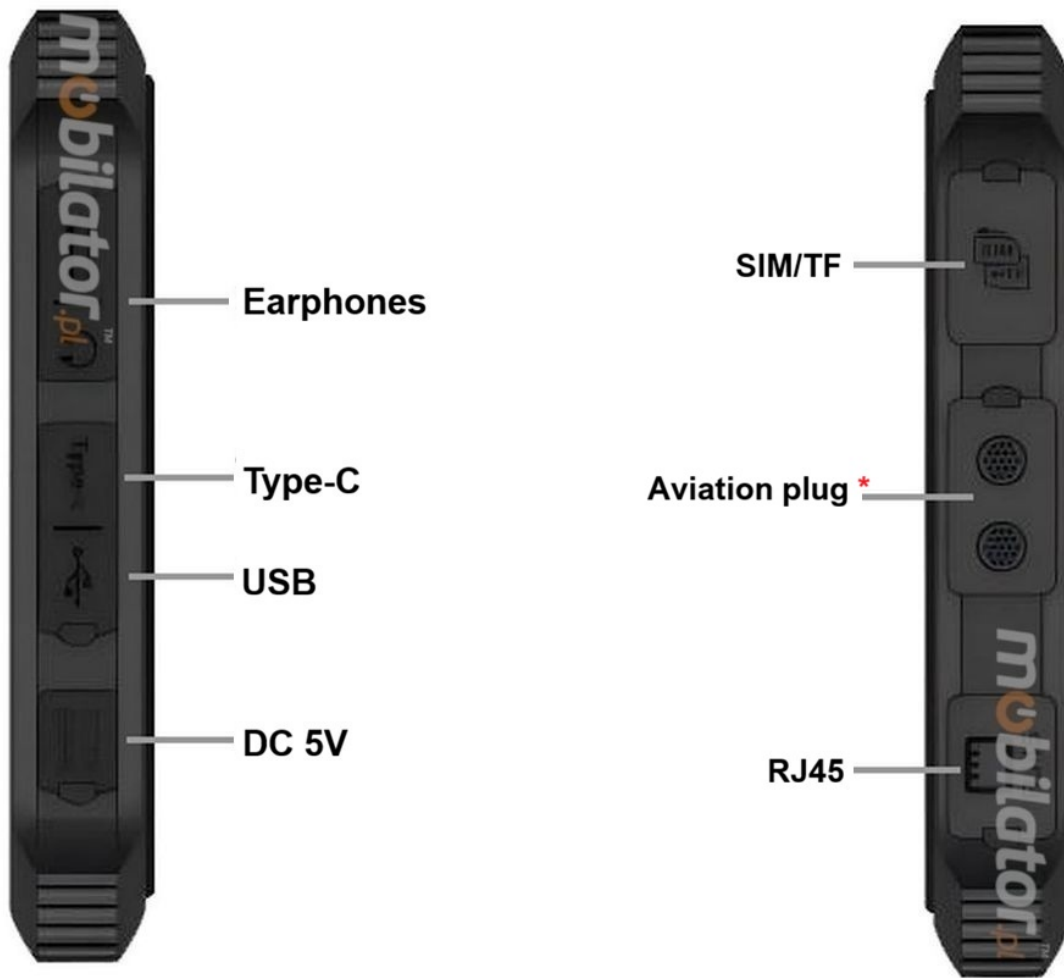


142.4mm



22.9mm

Pogo Pin



Earphones

Type-C

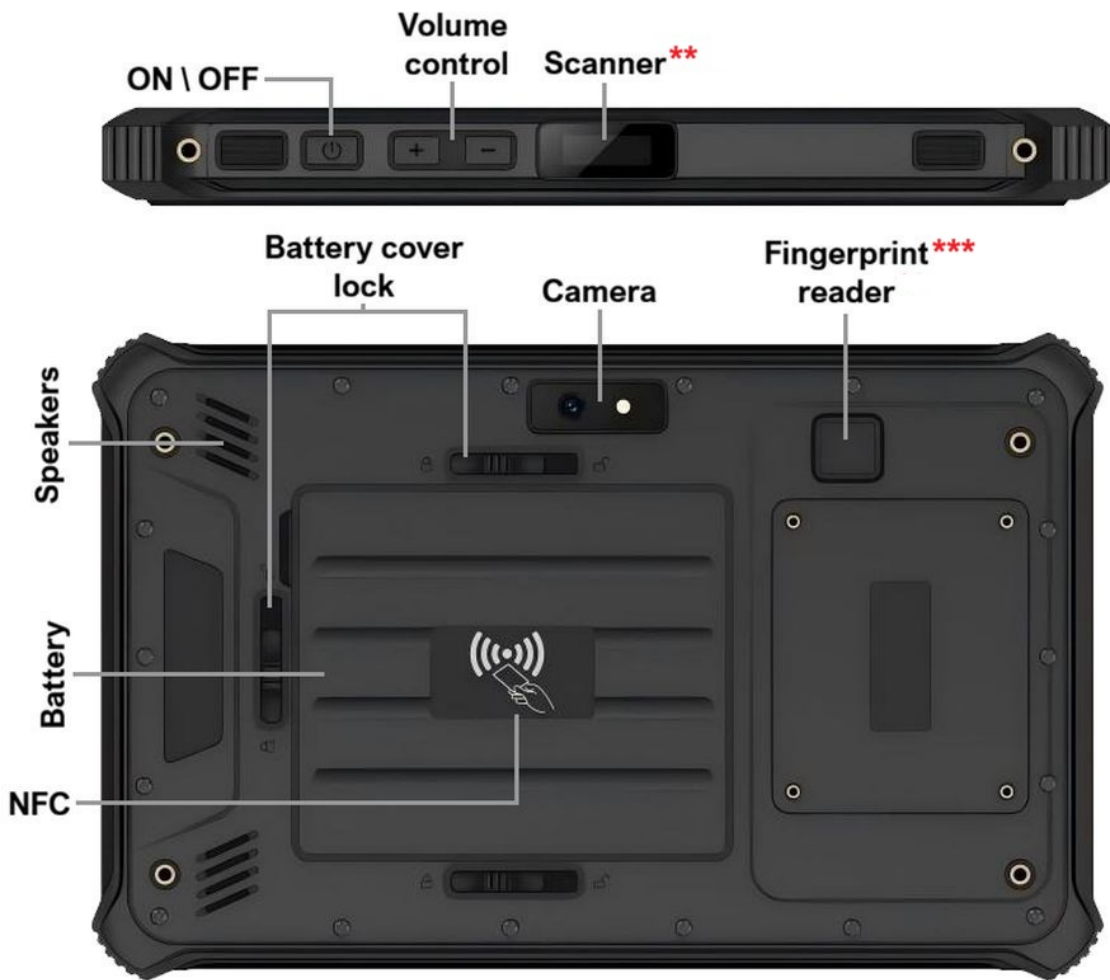
USB

DC 5V

SIM/TF

Aviation plug *

RJ45



* Aviation plug available during device configuration

** 2D scanner available in the respective product versions or on request

*** Fingerprint reader available in specific product versions or upon request

Dimensions	227 x 142.4 x 22.9mm
Weight	1108 g

The device is equipped with two speakers, two microphones, and a

comprehensive set of ports: USB-C, USB-A (2.0), a dedicated 5.5V/3A DC power socket, and a 3.5mm audio output. Stable connectivity and network support are ensured by a Micro SIM slot, a gigabit RJ45 port, and a PogoPin connector for a docking station. A key feature is the two extremely durable aviation plugs, which guarantee a stable connection to professional industrial accessories such as RFID readers, barcode scanners, and external control modules, without the risk of accidental disconnection. To use it, a 2m cable for additional ports is required.

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DATA COLLECTING

NFC

NFC is a near-field communication standard that enables instant, wireless data exchange over short distances. In industry, this technology is used to automate processes, eliminating the need for manual data entry or traditional scanning.



The MobiPAD MR-803A features a 13.56 MHz NFC module supporting ISO 14443A/B and 15693 standards (Mifare, DESFire, industrial tags). This solution enables instant employee login, accessory pairing, and automatic application launch upon proximity to the tag. Supporting a wide range of tags on machines and goods, the tablet significantly accelerates information flow and simplifies daily work in demanding warehouse environments.

2D scanner * (optional)



The MobiPAD MR-803A is available in a variety of configurations, allowing for precise hardware matching to specific needs. While the basic version focuses on efficient data processing, subsequent device configurations already include one

of the professional 2D scanning modules. Importantly, each version can be individually configured with a specific reader, adapting it to operational requirements. The configuration with the Newland N1 module ensures fast code reading (including from screens), while the variant with the Zebra SE4710 reader utilizes PRZM technology for working with damaged labels. Both solutions support 360° omnidirectional scanning, significantly increasing field efficiency.

*Optional equipment available in the respective product versions or upon request

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RFID

RFID in industrial tablets is a contactless identification technology that uses radio waves to instantly read and write data from multiple tags simultaneously without the need for visual contact with the label.



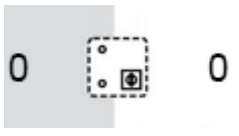

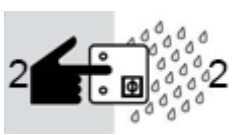
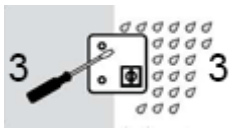
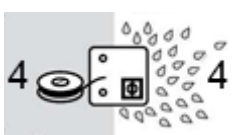
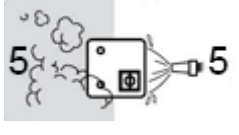



The device is equipped with a powerful UHF RFID module, enabling contactless identification and tag reading from an impressive distance of 10 to 15 meters. Thanks to its extremely high sensitivity and long range, this system allows for rapid inventory counting and precise asset tracking, even on the highest warehouse racks, without the need to approach the tags directly. This professional solution is designed for use in large logistics centers and transshipment yards, where process efficiency depends on the immediate scanning of hundreds of objects simultaneously from a very long distance.

RESISTANCE

IP67 protection class



IP67 is a standard that specifies a device's level of protection against external factors, where the number 6 indicates complete dust protection, and 7 guarantees safe immersion in water up to 1 meter deep for 30 minutes. For industrial tablets, this certification ensures reliability in extreme conditions, such as construction sites, mines, or dusty production halls. This means the device can be safely washed under running water or used in heavy rain, drastically reducing the risk of failure and costly downtime.

Firts 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 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

Fall to 1.2 m

The MobiPAD MR-803A's armored casing is designed for maximum component protection. Tested to withstand drops from heights exceeding 1 meter, it

eliminates the risk of failures caused by human error. This is a robust work tool that will perform well in the most demanding and dynamic environments.

Extreme temperatures

The MobiPAD MR-803A guarantees stable operation in extreme temperatures, from -20°C to 60°C , making it a reliable tool in the most demanding locations. The device is designed to safely withstand even harsh storage conditions – it can withstand temperatures up to 70°C when idle. This device is ready for any climatic challenge, from freezers to high-temperature warehouses.

Operation temperature: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Storage temperature: $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$



Operation Temp.	-20°C to 60°C
Storage Temp.	-30°C to 70°C
Humidity	up to 95%

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WIRELESS COMMUNICATION

GPS Navigation

The MobiPAD MR-803A offers reliable navigation thanks to its support for GPS, BeiDou, Galileo, and GLONASS. The combination of four satellite standards guarantees lightning-fast positioning and the highest data precision, regardless of location. This solution ensures a stable signal even in challenging terrain where traditional receivers fail.

Bluetooth 5.3

Bluetooth 5.3 in industrial tablets primarily guarantees stability and energy efficiency in harsh operating conditions. Thanks to the Connection Subrating feature, the tablet can instantly switch between low-power and high-performance modes, significantly extending battery life while maintaining

smooth data transfer.

Wi-Fi network

The versatile MobiPAD MR-803A offers lightning-fast wireless connectivity thanks to support for the latest Wi-Fi 6 (802.11ax) standard and legacy protocols. Dual-band technology (2.4 GHz + 5.8 GHz) allows for intelligent switching between bands to avoid interference in congested networks. This advanced configuration ensures stable transmission of large data packets and minimal latency, crucial for cloud computing or ERP systems. Thanks to its broad compatibility, the device works seamlessly with almost any router and network infrastructure in modern enterprises.

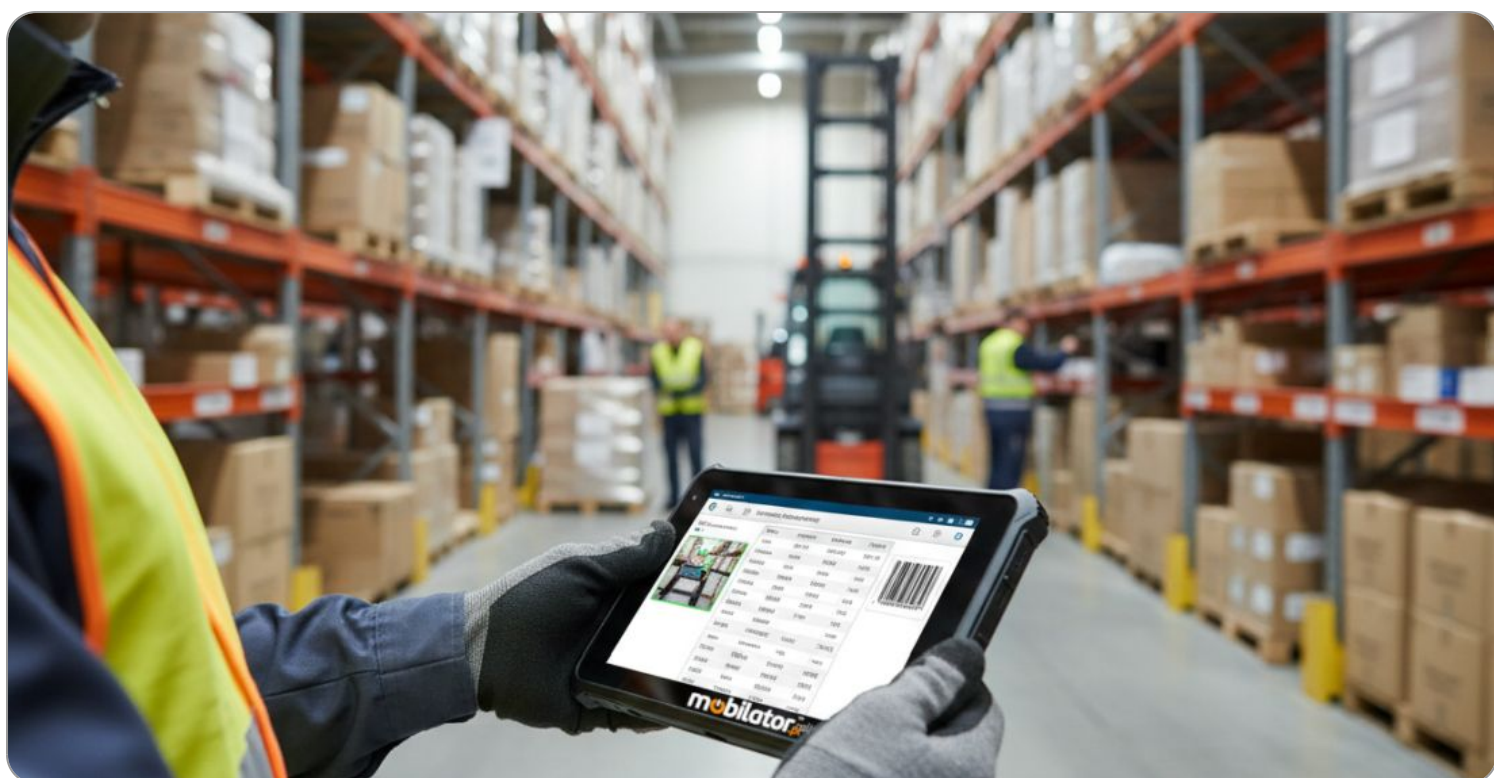
Standards	WiFi 6 802.11 (a/b/g/n/ac/ax)
Frequencies	2.4G+5.8G Dual-band

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APPLICATION

Trade and Service

The MobiPAD MR-803A is a mobile command center for salespeople and logistics specialists. LTE, Wi-Fi, and Bluetooth 5.3 connectivity enable lightning-fast invoicing and inventory updates in the field. Equipped with an NFC module for fast authorization, the device provides complete control over sales processes in any environment. Together, these features create a reliable tool that eliminates delays in information transfer and allows for complete control over sales processes in any environment.



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Industry and Construction

The robust MobiPAD MR-803A is a rugged foundation for industrial digitization. Designed to work where standard equipment fails, the tablet offers full

protection confirmed by IP67 certification. This means complete dust-tightness and resistance to brief immersion in water, making it an ideal tool for work in dusty halls, with fluid leaks, or in harsh weather conditions on construction sites. This attention to detail makes modern industrial tablets a natural and convenient extension of professional work tools.



Service and diagnostics

Using this rugged tablet with the IP67 standard allows for a complete elimination of paper-based document workflows in the repair area. The device is designed for intensive use in harsh environments – grease or splashes won't affect its performance. Thanks to stable wireless connectivity, processes such as parts database verification, vehicle service history updates, and cost estimate

approvals are performed without interrupting work at the workstation, significantly reducing customer service time.



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ACCESSORIES AND AVAILABLE VERSIONS

A wide range of optional accessories allows you to precisely tailor the MobiPAD MR-803A to your specific operational requirements and budget. The list below includes dedicated extensions that significantly enhance work comfort and the device's functionality in the field. Clicking on the product name will take you to detailed technical specifications and the current price.

The docking station



The docking station enables quick charging of the tablet and its stable integration with the warehouse or production infrastructure during stationary operation.

Check

The shoulder strap



The shoulder strap allows you to safely and comfortably carry your tablet without using your hands, minimizing the risk of the device falling in difficult working conditions.

Check

The hand strap



mobilator.plTM

The hand-strap ensures a secure grip of the device with one hand, allowing comfortable and safe operation of the screen during dynamic field work.

[Check](#)

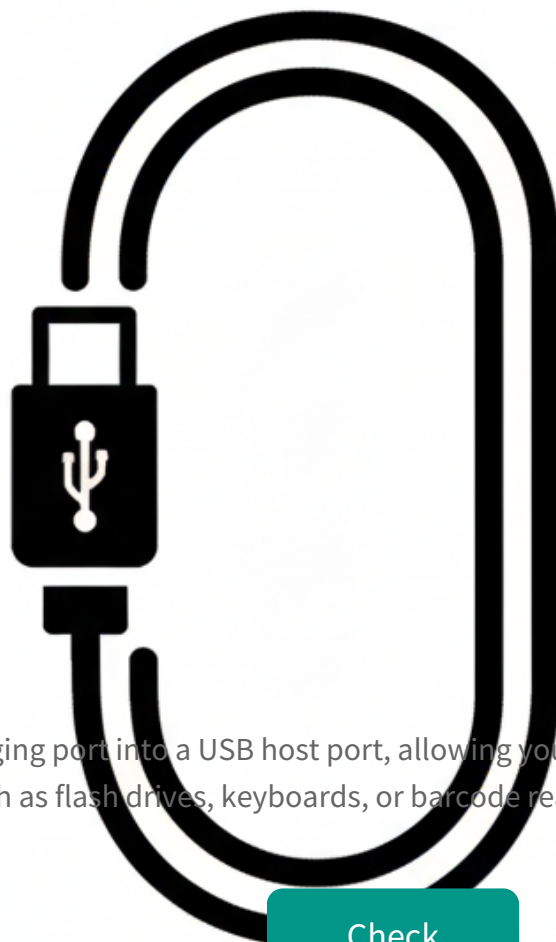
The 360" ball head car holder



The ball-head car holder ensures stable tablet mounting in the vehicle and free adjustment of the screen angle and orientation for optimal data visibility.

[Check](#)

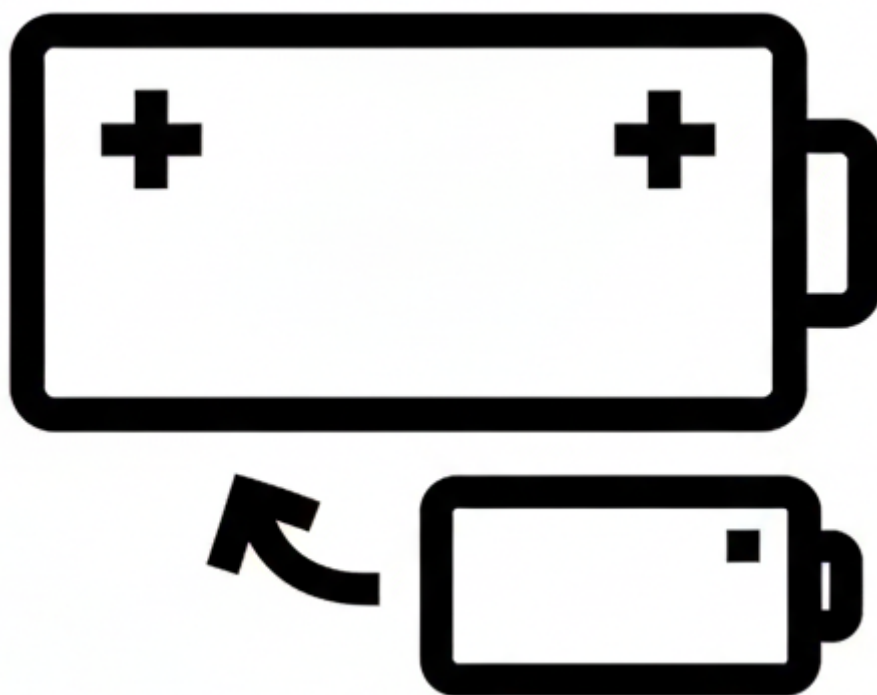
The OTG (On-The-Go) cable



The OTG cable turns the charging port into a USB host port, allowing you to directly connect accessories such as flash drives, keyboards, or barcode readers.

Check

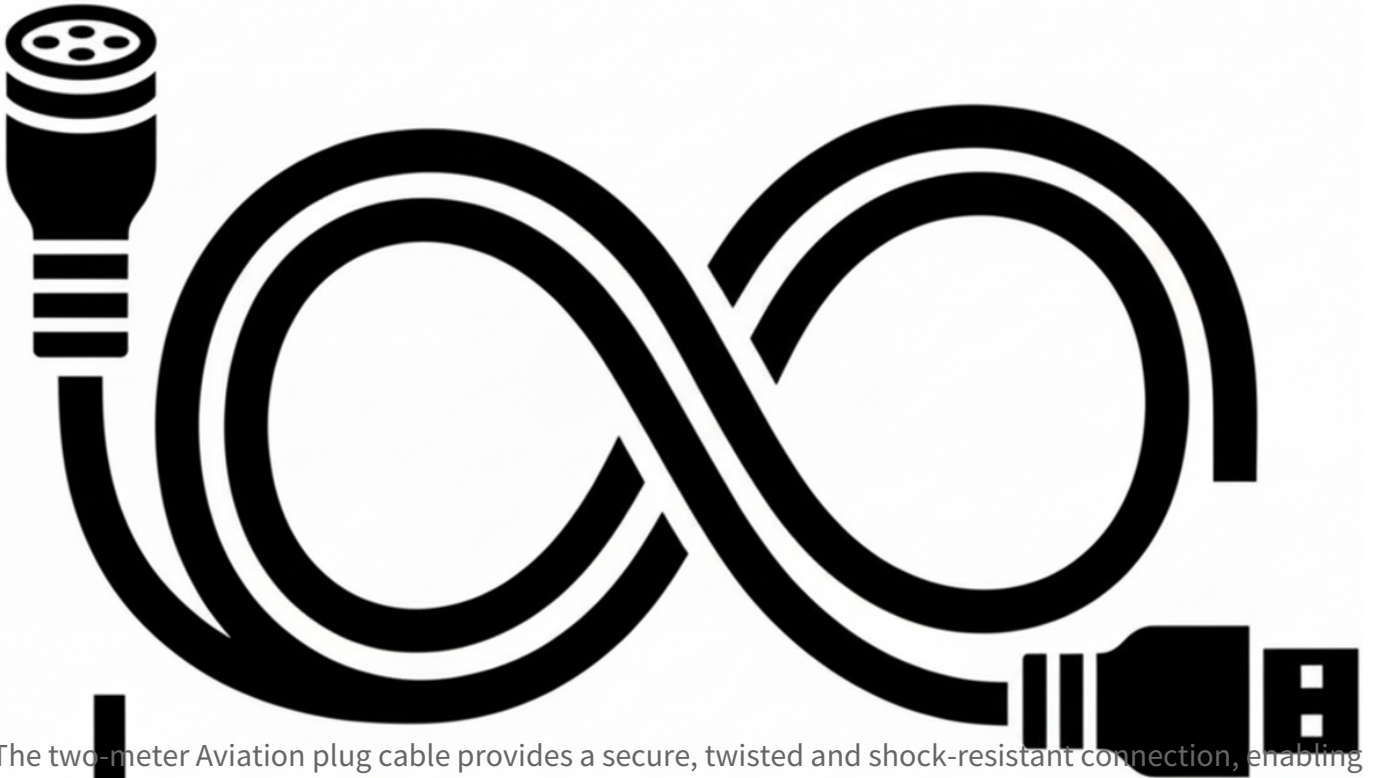
The spare battery



The spare battery ensures continuity of multi-shift work by allowing immediate battery replacement without having to interrupt tasks and connect the tablet to the power supply.

Check

The 2m auxiliary connector cable



The two-meter Aviation plug cable provides a secure, twisted and shock-resistant connection, enabling stable communication between the tablet and an aircraft or industrial installation.

2

Check

Spare power adapter



The backup power supply provides an alternative charging source at various work sites and ensures process continuity in the event of a failure or loss of the primary charger.

Check

Suitcase handle



A holder dedicated to industrial tablets significantly improves the comfort of everyday use of the device

[Check](#)

The MobiPAD MR-803A tablet for harsh environments is available in several versions tailored to different needs. Clicking on the hardware configuration number will redirect you to the product with the parameters listed in the table below. Furthermore, upon request, we can create a configuration not currently available.

	v.1	v.2	v.3	v.4	v.5	v.6	v.7	v.8	v.9	v.10
8 + 128GB	+	+	+	+	+	+	+	+	+	—
8 + 256GB	—	—	—	—	—	—	—	—	—	+

800 nits	—	+	+	—	—	—	—	—	—	—
1000 nits	—	—	—	+	—	—	—	—	+	—
2D scanner	—	—	—	—	+	—	+	—	+	—
RFID UHF	—	—	—	—	—	+	—	+	+	—
	v.11	v.12	v.13	v.14	v.15	v.16	v.17	v.18	v.19	
8 + 128GB	—	—	—	—	—	—	—	—	—	—
8 + 256GB	+	+	+	+	+	+	+	+	+	+
800 nits	—	—	—	—	—	—	—	—	—	—
1000 nits	+	+	+	+	—	—	—	—	+	—
2D scanner	—	—	—	—	+	—	+	—	+	—
RFID UHF	—	—	—	—	—	+	—	+	+	—



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