MobiPad P1800K v.2 - Multi-purpose data terminal for logistics with an octa-core processor, Newland CM60E scanner, 5G connectivity module, 4GB RAM+64GB memory, Bluetooth 5.1, powerful 4000mAh battery

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 12
Display:	5.7 inches 720x1440
Brightness:	**600 NIT**
Processor:	MTK6877 octa-core
Memory:	4 GB RAM
Hard Drive:	No
Flash Memory:	64GB ROM
Touch screen:	Multi-touch
Durability:	IP65
Drop:	---
Shock:	---
Vibration:	---
Temperature:	Temp. Operating -20 DO 60Temp. Storage -40 DO 70

Humidity:	5%-95%
1D barcode scanner (reader):	---
2D barcode scanner (reader):	Newland CM60E
RFID scanner (reader):	NFC
Other:	GMS for GOOGLE PLAY STORE
Battery:	4000mAhgel polymer battery4.35V
Working time on battery:	8-9 hours of work (WiFi 50%, brightness 50%)
Fast battery replacement ability:	Yes
HotSwap battery:	No
LAN:	---
WLAN:	**WiFi 6**
Bluetooth:	**Bluetooth 5.1**
WAN:	4G LTE | TDD | FDD**5 G**
GPS:	support GPS L1+L5 | Beidou L1+III B2AGalileo L1+Ea5 | GLONASS | AGPS
Camera:	5 MP FF13 MP AF with flashlight
In/Out:	USB Type-C 2.0+chargingsupport OTG cable | 5V/3A
Optional accessories:	---
Docking station connector:	Yes
VESA standard – holders and mounts support:	---
COM port:	---
Magnetic card reader (MSR):	No
Microchip card reader:	Nie
Contrast:	Yes
Graphics card:	---
Chipset:	---
BIOS:	No
Casing material:	PC + Glass Fiber
Flash Card Reader:	Yes

CD/DVD:	No
Audio:	Speaker | Waterproof headphoneDual MIC
Keyboard:	on-screen keyboard
Additional Navigation Devices :	No
Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP65
Waterproof:	IP65
Sand and dust:	IP65
Size:	162.5 x 77.5 x 14.5mm
Fanless casing:	Yes
Weight:	260g

477,26 €

net price: 388,02 €

MobiPad P1800K

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

Data collectors are a key tool in logistics and trade, enabling quick and precise data collection. The MobiPad P1800K is a professional collector designed for demanding environments. It is IP65 certified, confirming its resistance to dust and splashes. The device is equipped with a 4000 mAh, 4.35 V gel-polymer battery, ensuring long battery life.

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SPECIFICATION

MobiPad P1800K v.2	
Processor	MTK6877 octa-core
System	Android 12
RAM	4 GB
ROM	64 GB
Battery	4000mAh gel polymer battery 4.35V (External detachable)
Communication	5G | 4G | Bluetooth | Wi-Fi | GPS | NFC | Newland CM60E
Display	5.7" (720x1440)
Screen	Multi touch

MobiPad P1800K v.2	
Camera	5 + 13 Mpx
Protection	IP65
SIM	5G Single NANO SIM card
TF Card slot	Support (SIM / TF optional)
Weight	260g
Material	PC + Glass Fiber
Fingerprint module	Support
Guarantee	1 year

Detailed device specifications are available in the "Technical data" tab.

The MobiPad P1800K industrial collector, running on Android 12, offers intuitive operation, access to modern business applications, and a high level of stability and security. This allows the device to easily integrate with corporate systems and enable efficient, real-time data management.

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Ergonomic design

The MobiPad P1800K combines ergonomics with high durability, creating a tool ideal for work in dynamic field conditions. It was designed with maximum operational efficiency and user comfort in mind. Its slim, well-thought-out design

facilitates operation and reduces operator fatigue during extended periods of use. The device maintains compact dimensions of 162.5 x 77.5 x 14.5 mm, and its durable housing effectively protects it from damage. This combination of features guarantees reliable operation and reliable data reading, even in demanding industrial environments.

Dimensions	162.5 x 77.5 x 14.5mm
Net weight	260g

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Multi-touch

Multi-touch screen technology allows the display to recognize and track multiple touchpoints simultaneously. This allows the user to perform complex gestures such as pinching, rotating, or scrolling with multiple fingers simultaneously. This solution significantly increases the intuitiveness of the device, making the interface more interactive than traditional touchscreens.

600-nits screen

The MobiPad P1800K data collector is designed for efficient operation both inside buildings and vehicles, as well as outdoors. It features a specially developed display with high brightness, ensuring high readability even in direct sunlight. This makes the device ideal for mobile operations, enabling fast and accurate data reading regardless of lighting conditions.

DATA COLLECTING

NFC

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NFC (Near Field Communication) in the MobiPad P1800K collector accelerates and simplifies asset identification and authorization in industrial environments. It enables fast and secure wireless data exchange, supporting rapid product identification, machine access authorization, and efficient inventory counting. Instant communication with external systems eliminates manual data entry, reducing the risk of errors and increasing work efficiency.

NFC	Support 13.56MHz Contactlese interface modem ISO/IEC 18000-3 18092 ISO/IEC 14443 A/B ISO/IEC 15693 Mifare compliance

Barcode scanner

The MobiPad P1800K was designed to accelerate logistics operations and minimize errors. The collector is equipped with an advanced Newland CM60E scanner, which enables fast and precise reading of 1D and 2D codes. This ensures reliable data capture even in challenging lighting conditions and demanding work environments.

2D	Newland CM60E

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RESISTANCE

IP65

Adequate protection class is crucial for devices operating in harsh environments, and the MobiPad P1800K meets this requirement, offering IP65 protection. This means complete dustproofing (6) and resistance to water jets from any angle (5), such as during rain or spray. This makes the collector reliable in industrial environments, effectively protecting it from dust, dirt, and accidental splashes.

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

Firts digit	Protection level	Second digit
Complete protection against contact, Protection against dust deposit	5	Protection from water projected from a nozzle
Complete protectionm against contact, protection from infiltration of dust	6	Protection against heavy seas, or powerful jets of water
	7	Protection against immersion
	8	Protection against complete, continuous submersion in water

Battery

The 4000mAh, 4.35V gel-polymer battery is a powerful cell in the data collector, ensuring stable operation throughout the entire work shift, even with intensive code scanning. The use of gel technology increases safety and resistance to mechanical damage, which is crucial in harsh warehouse conditions. The higher threshold voltage (4.35V) allows for higher energy density in a compact housing without adding excessive weight to the device itself. The device has a light signaling system that informs about the current battery charge level and the progress of the device charging process.

Extreme temperatures

The MobiPad P1800K is a professional data collector designed to operate in a wide range of thermal conditions. The device operates continuously in

temperatures ranging from -20°C to +60°C and can withstand storage conditions ranging from -40°C to +70°C. It is also resistant to humidity from 5% to 95%. These parameters guarantee reliable and stable operation in demanding conditions.

Working Temp.	-20°C to 60°C
Storage Temp.	-40°C do 70°C
Humidity	5% do 95%

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WIRELESS COMMUNICATION

GPS Navigation

The satellite navigation system in the data collector is crucial, as it allows for precise location determination of collected data and accurate positioning of field workers. This makes operations management more efficient, and significantly improves safety and control over ongoing operations. The built-in GPS module ensures fast and reliable positioning, regardless of the work location.

Bluetooth 5.1

Bluetooth is a reliable, short-range wireless communication technology essential

in industrial environments for connecting data collectors to various external devices, such as mobile printers or headsets. Its low power requirements and stable connection enable seamless data exchange in the field, increasing operator efficiency and comfort.

Wi-Fi network

Reliable wireless connectivity is the foundation of efficient work in logistics and warehousing. The MobiPad P1800K's dual-band Wi-Fi module provides fast access to the corporate network, enabling real-time data synchronization and efficient resource management. This allows operators to instantly transmit inventory and order information and download updates, increasing efficiency and operational stability in the warehouse and plant.

Standards	WiFi 6
Frequencies	Support 2.4/5GHz dual-band WIFI Support 802.11ax

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APPLICATION

Trade and Services

Modern sales require a combination of durable hardware and advanced software. The MobiPad P1800K is an Android-based mobile work center designed

to maximize sales representatives' workflows. It enables fast and intuitive management of customer and product databases and rapid searches for necessary information. Supporting both GSM and dual-band Wi-Fi, the device ensures the immediate and secure flow of documents, such as orders and invoices, directly to company headquarters, accelerating transaction processing.

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Industry and Construction

The MobiPad P1800K is an industrial collector designed for demanding environments. Its IP65 enclosure ensures complete dust-tightness and resistance to water jets from any angle, such as rain or splashing. Its robust construction makes the device reliable and durable, ideal for use in construction, logistics, and manufacturing.

Warehouse

Eliminate delays in your supply chain. The MobiPad P1800K is an advanced data collector that acts as a command center in the palm of your hand, providing efficiency and precise warehouse control. It enables you to quickly and accurately perform key tasks such as receiving and issuing goods, controlling prices, managing orders, and monitoring stock levels and inventory processes.

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ACCESSORIES AND AVAILABLE VERSIONS

The MobiPad P1800K is a reliable collector, even in the most demanding

conditions. The device is available in various versions, which can be tailored to your company's needs. Detailed technical parameters for each configuration can be found by clicking on its number in the table. For non-standard requirements, contact us – we will prepare a custom configuration tailored to your needs.

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

	v.1	v.2
WiFi 5		—
WiFi 6	—	
370 NIT		—
600 NIT	—	
BT 5.0		—
BT 5.1	—	