## Rugged Industrial tablet Neway VT-7

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|---|---|
| **Category:** | UMPC - Ruggedized |
| **Manufacturer:** | Mobilator |
| **Operating System:** | Android 7.1.2 |
| **Display:** | 7" (1280x800) IPS LCDPojemnościowy Sunlight readable 800 nits |
| **Brightness:** | 800nits |
| **Processor:** | Qualcomm Quad-core Cortex - A7 (4x 1.1 GHz) |
| **Memory:** | 2GB |
| **Hard Drive:** | 16GB |
| **Flash Memory:** | Yes |
| **Touch screen:** | Tak |
| **Durability:** | IP66 |
| **Drop:** | 1.2 meters |
| **Shock:** | ----- |
| **Vibration:** | ----- |
| **Temperature:** | Operating temperature: -20°C -- +50°CStorage temperature: -40°C -- +60°C |
| **Humidity:** | 5% - 95% non-condensing |
| **1D barcode scanner (reader):** | none |
| **2D barcode scanner (reader):** | none |

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| **RFID scanner (reader):** | none |
| **Other:** | Digital Compass \| Gravity Sensor |
| **Battery:** | 3.7V 5000mAh Lithium |
| **Working time on battery:** | Operating time (depending on usage) - 6h |
| **Fast battery replacement ability:** | No |
| **HotSwap battery:** | No |
| **LAN:** | ----- |
| **WLAN:** | IEEE 802.11 a/b/g/n |
| **Bluetooth:** | Bluetooth 4.2 |
| **WAN:** | GSM: 900/1800/1900 B2/B3/B8WCDMA: 850/1900/2100 B1/B2/B5FDD-LTE: 1800/2100/2600 B1/B3/B7LTE_TDD:2555-2655MHz/:2300-2400MHz B41/B40 |
| **GPS:** | Support GPS, DBS, GLONASS |
| **Camera:** | ----- |
| **In/Out:** | USB - C \| Port TF Card \| Port SIM \| Audio Jack \| DC |
| **Optional accessories:** | Docking station, additional charger, OBD-II, SAE J1939 |
| **Docking station connector:** | ----- |
| **VESA standard – holders and mounts support:** | ----- |
| **COM port:** | No |
| **Magnetic card reader (MSR):** | ----- |
| **Microchip card reader:** | ----- |
| **Contrast:** | 800:1 |
| **Graphics card:** | Adreno 304 |
| **Chipset:** | ----- |
| **BIOS:** | ----- |
| **Casing material:** | high quality plastik and rubber |
| **Flash Card Reader:** | micro SD/TF max. 64GB |
| **CD/DVD:** | ----- |

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| **Audio:** | Build-in Microphone | Build-in Speaker| Audio Jack |
| **Keyboard:** | Ekranowa + Touch buttonsHome | Menu | Return | ON/OFF | Volume | Reset | NFC (funkcyjny) |
| **Additional Navigation Devices :** | ----- |
| **Color:** | black |
| **Swivel Hinge:** | ----- |
| **VGA out:** | ----- |
| **TV Out:** | ----- |
| **TV Tuner:** | ----- |
| **Security:** | IP66 |
| **Waterproof:** | IP66 |
| **Sand and dust:** | IP66 |
| **Size:** | 200mm*130mm*28.5mm785g |
| **Fanless casing:** | Yes |

## Product from the Archive - production finished



## TECHNICAL SPECIFICATION

## RESISTANCE AND DURABILITY

## CONNECTIVITY AND COMMUNICATION

## AVAILABLE VERSIONS

Small dimensions industrial Neway VT-7 excel in environments where dust, dirt and moisture predominate. They are ideal for applications requiring quiet operation. Small and reliable umpc use heat-pipe technology and plastic fins for passive cooling. The robust industrial laptop is a device designed for all industrial and non-continuous applications requiring continuous operation - 24 hours, 7 days a week.

**Reinforced housing**

The reinforced Neway umpc case is resistant to mechnical damage and external factors such as temperature difference.

**Lightweight design**

The umpc weight does not exceed 1.0 kg, so it can be conveniently carried in a bag or backpack.

**Efficent components**

The Cortex by Qualcomm quad - core CPU provides improved device performance.

**Wireless network**

The umpc can be connected to nearby wireless networks by equipping it with an installed Wi-Fi module.

**eMMC** Quick start

## Passive cooling

A modern eMMC memory will increase the speed of application programs.

The use of passive cooling in the umpc ensures silent operation and slows dust deposition.

# SPECIFICATION

| Performance | |
|---|---|
| Processor | Qualcomm Cortex - A7 (4x 1.1 GHz) |
| Graphic Card | Adreno 304 |
| Operating system | Android 7.1.2 |
| RAM | 2 GB |
| Drive | 16 GB eMMC |

| Interfaces | |
|---|---|
| Connectivity | Wi-Fi IEEE (802.11 a/b/g/n ; 2.4 GHz/5GHz) |
| | LTE, HSPA+, UMTS, EDGE, GPRS, GSM (voice & data) |

| Interfaces | |
|---|---|
| Connectors | 1x Sim card slot |
| | 1x Slot TF Card |
| | 1x USB - Type C |
| | 1x Ear Jack |
| | Pogopin |

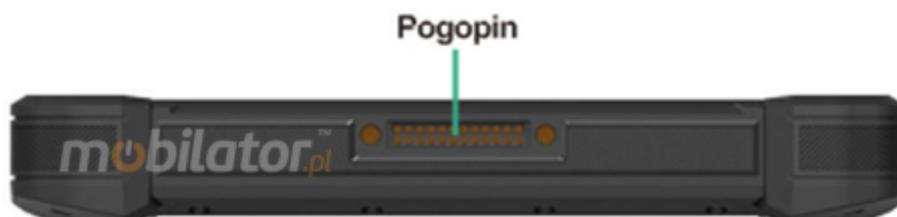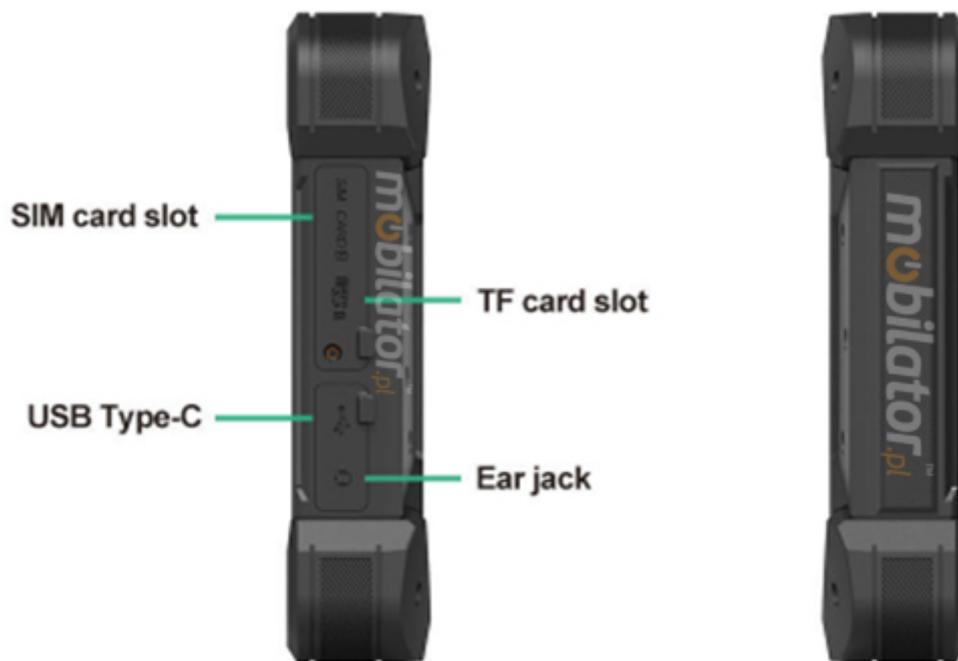| Other | |
|---|---|
| Available colors | Black |
| Dimensions | 200 mm x 130 mm x 28.5 mm |
| Weight | 0.785 kg |

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

## EFFICIENT PROCESSOR

The industrial umpc Neway VT-7 uses an efficient and energy-saving Qualcomm Quad Core processor. Inside it there are four cooperating cores enabling more efficient processing of many tasks at the same time. The shared cache memory in which the multilevel hierarchy is used is dynamically allocated to each processor core depending on the load. This reduces the average access time to the main memory.

## INTERFACES

SIM card slot

TF card slot

USB Type-C

Ear jack

Power button

Pogopin

## DIMENSIONS

The industrial Neway umpc uses a proven cooling system, based only on solid elements, mainly heat sinks. The system uses the phenomenon of metals passing thermal energy into the environment - there are no additional moving elements in the form of eg fans. This solution ensures noiseless operation, lower failure rate and greater protection against dust and other dirt while reducing the amount of energy consumed.

go up...

# RESISTANCE

**TEMPERATURES**

VT-7 by Neway is designed for continuous operation in both very low and high temperatures ranging from -10 ° C to 65 ° C and 0 ° C to ~55 ° C when device was charging. If the device is switched off, it can already handle temperatures in the range of -20 ° C to ~70 ° C.



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| **Work temp.** | -10°C — ~65°C |
| **Storage temp.** | -20°C — ~70°C |
| **Humidity** | 10% — 95% |

## MECHANICAL DAMAGE

The passive cooling system used in the umpc combined with the eMMC memory make this computer very resistant to various types of mechanical injuries. An additional advantage of industrial computers is a solid construction made of high quality plastic and specially designed in such a way that in addition to high efficiency in heat dissipation, it can also resist any external damage.

# CONNECTION

## WIRELESS NETWORK

The dual-band Wi-Fi module provides quick access to the network wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a router at home or place of residence and a wireless network that can be used at no extra charge. Industrial umpc X14 has been equipped the standard of - 802.11(a/b/g/n), which allows transfer of files at a dizzying speed of up to 300 Mb / s.

## DOCKING STATION (OPTION)

In addition, the tablet Neway VT-7 can be equipped with a docking station which is available in three versions, it has such diagnostic connectors as:

- COM RS232 - Enables eavesdropping of data sent from the master device to the slave devices.

- SAE J1939 - The J1939 connector is used to connect to CAN (Controller Area Network) bus signals on various machines and vehicles.

- OBD-II - A connector that applied to the diagnostic system to check any problems related to the car.

v.1 - 2x COM RS232, 1x USB, GPIO, ACC



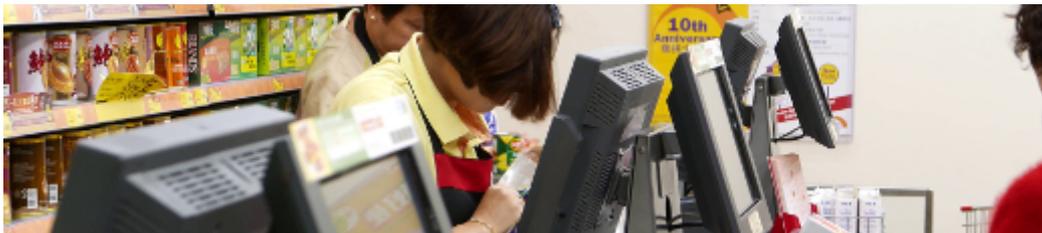v.2 - 1x SAE J1939, 1x COM RS232, 1x USB, GPIO, ACC



v.3 - 1x OBD-II, 1x COM RS232, 1x USB, GPIO, ACC

## TRADE AND SERVICES

Industrial umpc is an ideal tool to support us in the implementation of many activities in the field of trade, small dimensions increase the possibility of its adaptation to activities such as issuing invoices or preparing documentation, which in turn allows us to convenient and optimal sales management.



## WAREHOUSE AND LOGISTICS

Thanks high performance an industrial umpc can be used to connect multiple devices in a warehouse and make their management much easier. Its rugged casing and the fanless cooling system are ideal for harsh environments in such rooms. The solid construction guarantees long-lasting work, even in environments with high dustiness and dirt.

## WORKSHOP AND DIAGNOSTIC

With the help of dedicated connectors supported by our tablet, it can be used as a diagnostic tool for cars and machines with an on-board computer, thanks to which we are able to independently detect faults and also test specific systems.

ⓘ More pictures of the device available in the "Gallery" tab.

# VERSIONS

The industrial Neway VT-7 umpc is offered in several versions to suit different needs. By clicking on the number of the hardware configuration you will be redirected to the product with the parameters given in the table below. In addition, it is possible to create a configuration that is currently unavailable on the customer's request.

| | v.1 | v.2 | v.3 | v.4 | v.5 | v.6 | v.7 | v.8 | v.9 |
|---|---|---|---|---|---|---|---|---|---|
| Stacja dokująca v.1 (COM RS232) | — | + | — | — | — | — | + | — | — |
| Stacja dokująca v.2 (SAE J1939) | — | — | + | — | — | — | — | + | — |
| Stacja dokująca v.3 (OBD-II) | — | — | — | + | — | — | — | — | + |
| NFC | — | — | — | — | + | — | + | + | + |
| Aparat | — | — | — | — | — | + | + | + | + |