MobiPad V710 v.2 - Enhanced (MIL-STD-810G) data collector (inventory) adapted for long operation, equipped with NFC, 1D / 2D scanner

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 7.0
Display:	5,0" (1280x720) IPS LCDPojemnościowy
Brightness:	420 nits
Processor:	MediaTek MT6753 (8x 1.5 GHz)
Memory:	2GB
Hard Drive:	16GB
Flash Memory:	Yes
Touch screen:	Yes
Durability:	IP67
Drop:	1.2 meters
Shock:	-----
Vibration:	-----

Temperature:	Operating temperature: -20°C -- +60°CStorage temperature: -30°C -- +70°C
Humidity:	5% - 95% non-condensing
1D barcode scanner (reader):	Tak
2D barcode scanner (reader):	2D MotorolaSE4710
RFID scanner (reader):	NFC NXP548 Chip
Other:	Digital Compass | Gravity Sensor
Battery:	3.8V 8000mAh Lithium
Working time on battery:	Operating time (depending on usage) - 12h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	-----
WLAN:	IEEE 802.11 a/b/g/n
Bluetooth:	Bluetooth 4.0
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 Type C | Port TF Card | 2x Port Nano SIM | Audio Jack
Optional accessories:	Additional battery, Docking station, Battery cover with NFC, Pistol Grip, Bag, Charging Station
Docking station connector:	Yes
VESA standard – holders and mounts support:	-----
COM port:	No
Magnetic card reader (MSR):	-----
Microchip card reader:	-----
Contrast:	800:1
Graphics card:	-----

Chipset:	-----
BIOS:	-----
Casing material:	high quality plastik and rubber
Flash Card Reader:	micro SD/TF max. 32GB
CD/DVD:	-----
Audio:	Build-in Microphone | Build-in Speaker| Audio Jack
Keyboard:	Touch screen + buttonsHome | 3x Functional Buttons | ON/OFF | Fingerprint
Additional Navigation Devices :	-----
Color:	black
Swivel Hinge:	-----
VGA out:	-----
TV Out:	-----
TV Tuner:	-----
Security:	IP67
Waterproof:	IP67
Sand and dust:	IP67
Size:	165 mm x 76 mm x 15.60 mm
Fanless casing:	Yes

Product from the Archive - production finished

MobiPad V710

TECHNICAL SPECIFICATION

RESISTANCE AND DURABILITY

CONNECTIVITY AND COMMUNICATION

DEVICE APPLICATION

AVAILABLE VERSIONS

Small dimensions industrial MobiPad V710 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 MobiPad case is resistant to mechnical damage and

Lightweight design

The data terminal weight does not exceed 500 g, so it can be conveniently carried in a bag or backpack.

external factors such as temperature difference.

Efficent components

The MediaTek MT6753 1.5 octa - 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

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

IP67 Protection

Thanks to the IP67 standard, we are provided with complete protection against dust and immersion of the device in water.

go

Performance

Processor	MediaTek Octa - core MT6753 (8x 1.5 GHz)
Operating system	Android 7.0
RAM	2 GB
Drive	16 GB eMMC

Interfaces

Connectivity	Wi-Fi IEEE (802.11 a/b/g/n ; 2.4 GHz/5GHz) LTE, WCDMA, GSM, GPRS, Edge GPS, Beidou, Glonass WiFi 2.4/5GHz A/B/G/N Bluetooth 4.0
Connectors	1x Jack 2x Nano SIM 1x TF Card 1x USB - Type C

Other

Available colors	Black
Dimensions	165 mm x 76 mm x 15.6 mm

Other	
Weight	435 g

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

EFFICIENT PROCESSOR

The industrial umpc MobiPad V710 uses an efficient and energy-saving Mediatek Octa Core processor. Inside it there are eight 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

functional buttons

USB Type-C

power on/off

NFC

Fingerprint

Jack

Barcode Scanner

DIMENSIONS

15.60 mm

165 mm

76 mm

The ergonomics of work is provided by a functional keyboard and a color touch screen, everything is enclosed in a slim and small housing. Thanks to this, you can take it anywhere with you.
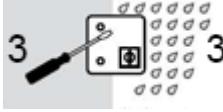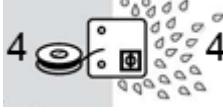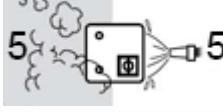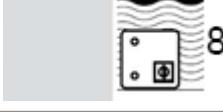
RESISTANCE
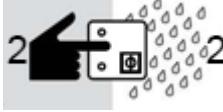
V710 by MobiPad is designed for continuous operation in both very low and high temperatures ranging from -20 ° C to 60 ° C. If the device is switched off, it can already handle temperatures in the range of -30 ° C to ~70 ° C.

Work temp.	-20°C — ~60°C
Storage temp.	-30°C — ~70°C
Humidity	5% — 95%

IP stands for Ingress Protection and is essentially a rating system developed by the International Electrotechnical Commission or the IEC. The system is now being used to classify different degrees of protection against intrusion or immersion. The IP rating is usually followed by two digits. The first indicates the level of dust-resistance, the second water resistance. Dust-resistance levels goes from 0 up to 6 while water-resistance goes from 0 to 8.

The first digit [x] Protection against solid objects	Protection Level	The second digits [y] Protection against liquids
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 diamete	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

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.

BARCODE SCANNER

Barcode Reader allows you to read, decode and transfer stored data in barcode to your computer. Thanks to dynamic scanning method and the large range of reading data collector is capable of carefully collecting data, which helps to increase the rate and efficiency of work. Simplified installation procedure,

convenient and intuitive design allow to start scanner work very easy and quickly.

NFC

It's a set of ideas and technology that enables smartphones and other devices to establish radio communication with each other by touching the devices together or bringing them into proximity to a distance of typically 10 cm or less.
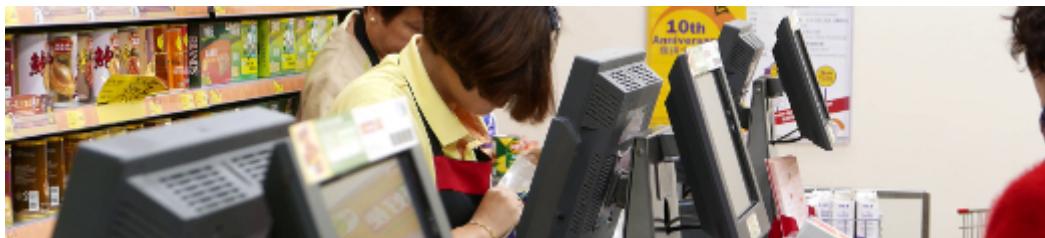
APPLICATIONS

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 quick scan 1D or 2D barcodes in 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 are ideal for harsh environments in such rooms. The solid construction guarantees long-lasting work, even in environments with high dustiness and dirt.

ATEX CERTIFICATE (OPTION)

The ATEX certificate is required in every explosion hazard zone and relates to the installation of devices with appropriate parameters. In addition, the explosion-proof parameters, certificate number, test station ID and IP protection level should be specified on such a device. The name ATEX comes from the French ATmosphères EXplosibles. It describes the equipment and application of the product to be placed in an explosive atmosphere. The atmosphere may be a mixture of combustible substances in the form of:

   - Gases;

- Par;

- Powders;

- Mists.

Mixtures may explode under critical conditions, such as high temperature, electric arcs or the presence of sparks. ATEX certification is mandatory throughout Europe and covers all stages from production to installation and use of the equipment. In 2014, the directive (2014/34 / EU) was updated.

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

VERSIONS

The industrial MobiPad V710 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.