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Reinforced Waterproof Tablet Emdoor EM-T86 with 1D scanner v.1

Category:	UMPC - Ruggedized
Manufacturer:	EMDOOR
Operating System:	Android 8.1 Oreo
Display:	8" IPS 800*1280
Brightness:	400 nits
Processor:	MTK8735A Quad-Core (4x1.45 GHz)
Memory:	2GB DDR3L
Hard Drive:	-----
Flash Memory:	32GB eMMC
Touch screen:	Yes
Durability:	IP67
Drop:	1.2 meters
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -10°C -- 50°CStorage temperature: -30°C -- 70°C
Humidity:	5 - 95% (no condensation)
1D barcode scanner (reader):	**1D Motorola SE655E100R**
2D barcode scanner (reader):	Optional: **2D Zebra2707**
RFID scanner (reader):	No

Other:	-----
Battery:	3.7V 8500mAh Li-Ion
Working time on battery:	8 hours
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	802.11 a/b/g/n
Bluetooth:	Bluetooth 4.0
WAN:	LTE: 1/2/3/4/7/17/20/38/39/40/41WCDMA: 1/2/5/8TD-SCDMA: 34/39GSM: 2/3/5/8
GPS:	Built-in
Camera:	Front 2MpxRear: 8Mpx + Flash
In/Out:	1x Micro-USB 2.0, 1 x Micro SD (max.128GB), 1 x Micro-SIM
Optional accessories:	Docking station
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	Nie
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	ARM MaliT720-MP3 450MHz
Chipset:	-----
BIOS:	-----
Casing material:	high quality plastic and rubber
Flash Card Reader:	microSD (max. 128GB)
CD/DVD:	-----
Audio:	Built-in Speaker : Microphone
Keyboard:	On-screen (+ function keys)

Additional Navigation Devices :	No
Color:	black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP67
Waterproof:	IPX7
Sand and dust:	IP6X
Size:	228 x 145 x 16.5mm
Fanless casing:	Yes

Product from the Archive - production finished

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

Emdoor EM-T86 is a modern, waterproof industrial tablet designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP67 and military standard MIL-STD-810G,

SPECIFICATION

Tablet Emdoor EM-T86	
Processor	MTK 8735A Quad-Core (4x1.45 GHz)
Operating system	Android 8.1
RAM	2GB DDR3L
ROM	32GB eMMC
Display	8" | (800 x 1280)
Touch screen	Capacitive
Battery	8500 mAh
Camera	2Mpx Front | 8Mpx Rear + Flash
Protection	IP67 | MIL-STD-810G
Communication	4G | Bluetooth | Wi-Fi | GPS
Connectors	Micro-USB
Memory card	Micro SD (max. 128GB)

Tablet Emdoor EM-T86	
SIM card	Micro SIM
1D Scanner	Motorola SE 655E100R
2D Scanner *	Zebra SE2707
Accessories*	Docking station

*

Optional equipment, available on specific versions only.

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

Dustproof industrial tablet was equipped with high performance, energy-efficient

MTK8735A processor. Inside, there are four cores that allow for more efficient processing of multiple tasks simultaneously. Shared caching, which uses a multi-level hierarchy, is dynamically allocated to each processor core according to the load. This reduces the average access time to main memory.

Connectors

Dimensions

Industrial Data Terminal Emdoor EM-T86 is designed for resistance and convenience. The sleek and rugged 20.7mm thick design and stylish case will make the tablet very well suited for industrial use and more. The unique size has been carefully thought out to make the device more comfortable and ergonomic. The non-slip casing makes it safe and secure to hold it in your hand, and the rubber corners further protect your device against possible

damage as a result of falls.

Dimensions	228 x 145 x 16.5mm
Net weight	380g

Capacitive screen

With the capacitive screen, the reaction of the device is not to directly press the screen, but to change the electrostatic field at the point where the device is touched. This allows for much more precise handling and gentle brushes on the screen. In addition, we can use multitouch technology, the ability to control our tablet a few fingers at once.

RESISTANCE

IP67 Protection

The IP standard defines the degree of protection provided by the enclosure of an electrical device against such factors as: access to dangerous parts inside the enclosure, penetration of foreign matter, splashing or immersion.

IP6X	Complete protection gainst contact from infiltration of dust.
IPX7	Protection against immersion.

MIL-STD 810G Standard

The MIL-STD-810G is a strict military standard used in the United States Army. It determines the immunity of the equipment to severe environmental and weather conditions such as extreme low and high temperatures, temperature changes, rain or dust, as well as various accidents (shocks, floods, high altitude falls, etc.). Although the MIL-STD-810G is mainly used for military equipment, it is often used by private companies that produce equipment that requires unmatched durability.

1.2m drop resistance

Specially designed construction gives the machine a chance of accidental falls from up to 1.2 meters in operating mode, even on hard surfaces. In addition, the tablet screen is protected by specially tempered glass Gorilla Glass.

Extreme temperatures

Emdoor EM-T86 is suitable for continuous operation in both low and high temperatures in the range of -10°C to 50°C. When the device is off, it can

handle temperatures ranging from -30°C to 70°C. In addition, the rugged industrial tablet performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

Working Temp.	-10°C do 50°C
Storage Temp.	-30°C do 70°C
Humidity	95% Non-Condensing

DATA COLLECTING

Barcode scanner (option)

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,tablet is capable to 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.

1D Scanner	Motorola SE655E100R
2D Scanner*	Zebra 2707

*

Optional equipment, available on specific versions only.

WIRELESS COMMUNICATION

4G Module

4G technology is based on a radio network with fast transmission and the rare occurrence of downtime or transfer errors. The main distinguishing feature of the 4G from its predecessor (3G) is the speed of transfer between devices. The fourth generation network offers 100 Mb / s of mobile internet speed and 25 Mb / s of packet transfer. Technology enables users, including: extremely fast radio networks, Internet access, personalized telephony, and access to modern media and games services.

4G Module	LTE : 1/2/3/4/7/17/20/38/39/40/41
3G Module	GSM: 2/3/5/8 WCDMA: 1/2/5/8 TD-SCDMA : 34/39

GPS Navigation

Mobile terminal MobiPad U93 is equipped with a professional GPS module with combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily reach any destination.

Bluetooth 4.0

Bluetooth enables wireless short-range communication between various electronic devices, such as the keyboard, computer, laptop, palmtop, mobile phone and many others. In the fourth version of this standard, energy consumption was reduced considerably, at the expense of lower transfer costs, and real operating coverage increased.

Wi-Fi network

Dual-band Wi-Fi provides fast network access wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a work or residence router and a wireless network that can be used at no extra cost. The shock-resistant industrial tablet is equipped with the latest 802.11n technology, which allows file transfer speeds up to 300 Mb/s.

Standards	802.11(a/b/g/n)
Frequencies	2.4GHz + 5GHz (Dual-Band)

APPLICATION

Trade and Services

Thanks to their size and light weight, tablets are a useful tool for sales representatives. Today's applications running under the tablet system enable even entering the tablet's contractor database, which allows us to later search for it quickly by name or NIP number. We can do the same with our commodity base, which can work in parallel with the database of contractors. Additional use of tablets in the trade, such as sending orders or invoices directly to the company through the GSM network or Wi-Fi.

Industry and Construction

Industrial tablets are characterized by high resistance to adverse working conditions. Tightness, dust and water resistance of enclosures, certified by IP (dust and water resistance standards).

Warehouse

An industrial data sheet is the ideal solution for quick stocktaking. In addition, depending on the software used, it streamlines the process of entering and delivering goods into the warehouse, enables price control and dispensing, helps to collect and order orders, and identifies customers and servicing the rental. The advantages of using tablets are undoubtedly: time savings, customer satisfaction thanks to the correct price and speed of operation.

ACCESSORIES AND AVAILABLE VERSIONS

Docking station (option)

Tablet Emdoor EM-T86 can optionally be eqiupped with a docking station. Optional accessory available a different version.

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

Available versions

The industry-leading Emdoor EM-T86 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.0	v.1	v.2	v.3	v.4	v.5
1D Motorola SE655E100R	—		—	—		—
2D Zebra SE2707	—	—		—	—	
Stacja dokująca / Docking station	—	—	—			