



IP65

Rugged Waterproof Industrial Data
Collector MobiPad MP-HTK38n v.7



Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 6.0
Display:	3,5" (480x800) IPS Gorilla Glass 3 capacitive
Brightness:	-----
Processor:	MTK MT6755M Octa-Core 1.8 GHz
Memory:	2GB
Hard Drive:	-----
Flash Memory:	16GB
Touch screen:	Yes
Durability:	IP65
Drop:	1.5 meters
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -10°C -- +50°CStorage temperature: -20°C -- +70°C
Humidity:	5% - 95% (no condensation)
1D barcode scanner (reader):	lack(available in other version)

2D barcode scanner (reader):	2D (CMOS) Honeywell N3680
RFID scanner (reader):	lack(available in other version)
Other:	-----
Battery:	3.8V 4000mAh Li-Ion
Working time on battery:	>12 hours
Fast battery replacement ability:	Yes
HotSwap battery:	No
LAN:	No
WLAN:	Dual Band 802.11 b/g/n 2.4G oraz 5.0G
Bluetooth:	Bluetooth 4.0
WAN:	4G/3G/GPRS GSM 850/ 900/ 1800/ 1900 WCDMA B1/ B2/ B4/ B5/ B8 FDD-LTE B1/ B2/ B3/ B4/ B5/ B7/ B8/ B20/ B28 TDD-LTE B38/ B39/ B40/ B41
GPS:	Built-in
Camera:	lack(available in other version)
In/Out:	1 x microUSB 2.0, 1 x AudioJack , 1 x Micro SD(max.128GB), 1 x SIM
Optional accessories:	Docking station Battery Wrist Strap
Docking station connector:	Yes
VESA standard – holders and mounts support:	-----
COM port:	-----
Magnetic card reader (MSR):	-----
Microchip card reader:	-----
Contrast:	-----
Graphics card:	-----
Chipset:	-----
BIOS:	-----
Casing material:	high quality plastic and rubber
Flash Card Reader:	microSD (max. 128GB)
CD/DVD:	-----

Audio:	AudioJack : Built-in Speaker : Microphone
Keyboard:	Numeric (+ function keys) : On-screen
Additional Navigation Devices :	-----
Color:	-----
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	-----
Security:	-----
Waterproof:	IP65
Sand and dust:	IP65
Size:	166 × 68 × 28mm- 260g
Fanless casing:	Yes

Product from the Archive - production finished



IP65



Industrial waterproof MobiPad MP-HTK38n, its 3,5 inch data collector adapted to work in harsh environment. Device passed specialist tests and obtain high norms of durable and resistant like **IP65** and **drop up to 1.5m**.



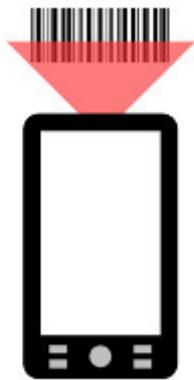
Processor	MTK MT6755M Octa-Core 1.8 GHz
Display	3,5" (480x800) IPS Gorilla Glass 3 Capacitive
RAM Memory	2GB
Flash Memory	16GB
Connectors	microUSB Micro SD SIM
GPS	GPS
Audio	AudioJack Speaker Microphone
Camera	Rear: 8Mpx (Auto-Focus + LED Flash) - optional
Battery	3.8V, 4000mAh Li-Ion
Keyboard	Numeric (+function keys) + On-Screen
Environment	Android 6.0
Modules	4G WiFi Bluetooth 4.0 GPS NFC - optional
Weight and Dimensions	260g 166mm*68mm*28mm
Resistance	IP65
Readers	1D (Laser) Honeywell N4313 - optional
	1D (Laser) Motorola Symbol SE955 - optional
	2D (CMOS) Honeywell N3680 - factory
	2D (CMOS) Motorola SE4710 - optional

To produce rugged data collector used **high quality** materials. Inside of device mounted **professional modules** and **components** makes that device is not only durable but also very efficient.



3,5 inch IPS display with resolution 480 x 800 pixels show **high quality** image, making possible to comfortable work for eyes. To ensure better protection, screen is secure by hardened glass pane **GorillaGl** Thanks this solution display becomes resistant against scratch and tension.

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Barcode scanner, its one of the basic industrial modules increase efficiency of work in places where barcodes are using. Thanks to technology development modern readers are more **efficient** and **precise**. In waterproof industrial **MP-HTK38n** data collector can be mounted barcode scanners like:

» 1D (Laser) Honeywell N4313

» 1D (Laser) Motorola Symbol SE955

» 2D (CMOS) Honeywell N3680

» 2D (CMOS) Motorola SE4710



NFC (Near Field Communication), its a wireless communication standard that allows to data transfers up to several centimeters. This technology is slowly becoming a standard and appears in a growing number of devices, expecially mobile.

Reading distance	from 3 to 5 cm
Frequency	13.56 MHz
Supported card standard	Mifare
Supported standards	ISO14443A ISO15693
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One of the important element which strengthens construction of the **shockproof MP-HTK38n data collector** is hardened glass **Gorilla Glass 3** providing better protection of display. This solution makes that screen is **less susceptible** for **scratch** and **tension** relative to normal

IP65

IP65 norm is granted to devices which pass series of specialist tests exploring their **durability** for dust and water. IP norm consists of two digits. First means the level of dust resistance, second to water.

Full specification of IP norms.

The first digit [x]			The second digits [y]		
Protection against solid objects			Protection against liquids		
No special protection	0		0	No waterproofing	
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)	
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 protection against contact. Protection from infiltration of	6		6		



Dustproof data collector **MobiPad MP-HTK38n** might be equipped with a number of wired and wireless data transferable components to ensure accurate location. In standard device has **WiFi** and **Bluetooth** for easy data transfer and high accuracy **GPS** to determine your position. Additional build-in **4G** module(after set SIM card to slot) making possible to wireless connection to Internet. Additional speaker and microphone allows you to make voice calls.

4G	4G/3G/GPRS
	GSM 850/ 900/ 1800/ 1900, WCDMA B1/ B2/ B4/ B5/ B8
	FDD-LTE B1/ B2/ B3/ B4/ B5/ B7/ B8/ B20/ B28
	TDD-LTE B38/ B39/ B40/ B41
	The ability to make voice calls
GPS	Yes
Bluetooth	Bluetooth 4.0
WiFi	Dual-band 802.11 b/g/n 2.4G oraz 5G
Camera	Rear: 8Mpx (Auto-Focus + LED Flash) - optional
go	



You no longer need to worry about whether you will put your device into a briefcase, backpack or travel bag, the problem disappears when you have **MobiPad MP-HTK38n**. The device weighs just 260g and its dimensions (166 x 68 x 28mm) allow you to take it everywhere.

Dimensions	166 × 68 × 28mm
Weight	260g

Quick change battery

Friendly design allows for fast replacement of the battery. This is useful when you working in the field with difficult conditions, where there is no additional power sources and the time is very important.



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Trade and Services



Sales representatives often offer more products so it's difficult to have all of them with you. In this situation, thanks to rugged data collector products, their prices, availability, and appearance can be presented by a mobile vendor.

Architecture

	v.0	v.0.0	v.1	v.2	v.3	v.4
Scanner 1D Honeywell N4313	—	—				—
Scanner 1D Motorola SE955	—	—	—	—	—	
Scanner 2D Honeywell N3680	—	—	—	—	—	—
Scanner 2D Motorola SE4710	—	—	—	—	—	—
Camera 8Mpx + Flash	—		—	—		—
Module NFC		—	—			—
	v.5	v.6	v.7	v.8	v.9	v.10
Scanner 1D Honeywell N4313	—	—	—	—	—	—
Scanner 1D Motorola SE955			—	—	—	—
Scanner 2D Honeywell N3680	—	—				—
Scanner 2D Motorola SE4710	—	—	—	—	—	
Camera 8Mpx + Flash	—		—	—		
Module NFC			—			