Rugged data collector MobiPad A800NS v.14

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 7.0
Display:	4" IPS (800x480) Capacitive
Brightness:	~300Nit
Processor:	ARM Cortex A-53 64Bit Quad Core 1.3GHz
Memory:	2GB
Hard Drive:	16GB
Flash Memory:	Yes
Touch screen:	Yes - Capacitive
Durability:	IP65
Drop:	1.2m
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -20°C -- 50°CStorage temperature: -25°C -- 70°C
Humidity:	5% -- 95% non-condensation
1D barcode scanner (reader):	-----
2D barcode scanner (reader):	Newland EM3090

RFID scanner (reader):	NFC 13.56 MHzISO 14443A&15693Range: 2cm to 8cm
Other:	-----
Battery:	4500mAh 3.7V Li-Poly
Working time on battery:	-----
Fast battery replacement ability:	Yes
HotSwap battery:	No
LAN:	-----
WLAN:	IEEE 802.11b/g/n
Bluetooth:	Yes
WAN:	4G: TDD-LTE (B38,B39,B40,B41), FDD-LTE (B1,B3)3G: B1, B2, B5, B82G: GSM/EDGE/GPRS (850, 900, 1800, 1900MHz)
GPS:	GPS + AGPS
Camera:	-----
In/Out:	Micro SDSIMMicro USB
Optional accessories:	----
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	-----
Microchip card reader:	-----
Contrast:	-----
Graphics card:	-----
Chipset:	-----
BIOS:	-----
Casing material:	High quality plastic and rubber
Flash Card Reader:	micro SD
CD/DVD:	-----
Audio:	Built-in microphone and speaker

Keyboard:	Onscreen + Keyboard + Function keys
Additional Navigation Devices :	-----
Color:	Black or Orange
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	-----
Security:	-----
Waterproof:	IP65
Sand and dust:	IP65
Size:	152mm x 77mm x 29mm - 500g
Fanless casing:	Yes

Product from the Archive - production finished

Specification

The collection and processing of data

Resistance

Modules and wireless networks

Application

Minimalism and comfort

Industrial Data Collector MobiPad A800NS has a specially designed, reinforced structure, adapted to harsh environmental conditions. Similarly, as the equipment produced for the military, meets the requirements of IP65 norm. Thanks to its structure is resistant to dust and water. The device is proper for use in the home and industry.

Specification

Processor	ARM Cortex A-53 64Bit Quad Core 1.3GHz
RAM	2GB
Flash memory	16GB
Connectors	SIM | MicroSD | Micro USB | Cradle connector
Display	4" IPS (800x480) Pojemnościowy
GPS	GPS + A-GPS
Audio	Built-in speaker and microphone
Battery	4500mAh 3.7V Li-Poly
Keyboard	Physical + Function Keys | On-Screen
Operating system	Android 7.0
Modules	Bluetooth | Wi-Fi | GPS/A-GPS | 4G
Readers	2D Newland 3090 | NFC
Dimensions	152mm x 77mm x 29mm
Weight	500g
Resistance	IP65

MobiPad A800NS is offered with the latest ARM Cortex A-53 processor to ensure the highest performance, low power consumption and long battery life. The data collector works with Android 7.0 operating system to meet the growing requirements in industrial applications.

Select the version dedicated to yourself

Select a version tailored to your needs. Clicking on the hardware number configurations will redirect you to the product with parameters listed below. At the customer's request can be created configurations which are not available in the offer. Detailed parameters are available in the "Technical Data".

	v.1	v.2	v.3	v.4	v.5	v.6	v.7
1D Minde 966	–	+	–	–	–	–	–
1D Honeywell N4313	–	–	+	–	–	–	–
2D Honeywell N6603	–	–	–	+	–	–	–
2D Honeywell N3603	–	–	–	–	+	–	–
2D Honeywell N3680	–	–	–	–	–	+	–

	v.8	v.9	v.10	v.11	v.12	v.13	v.14
2D Newland EM3090	–	–	–	–	–	–	+
NFC	–	–	–	–	–	–	–
1D Minde 966	–	+	–	–	–	–	–
1D Honeywell N4313	–	–	+	–	–	–	–
2D Honeywell N6603	–	–	–	+	–	–	–
2D Honeywell N3603	–	–	–	–	+	–	–
2D Honeywell N3680	–	–	–	–	–	+	–
2D Newland EM3090	–	–	–	–	–	–	+
NFC	+	+	+	+	+	+	+

Available colors

POMARAŃCZOWY

CZARNY

The collection and processing of data

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 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

Radio-Frequency Identification (RFID)

RFID is a technology used to identify objects and to control the flow products. Reading of information from the special tags that are attached to objects (but not only, because RFID is also applicable to the identification of the animals and even humans) followed by radio. Depending on the type of tag changes the amount of information that can hold as well as the maximum distance at which data can be read. RFID tags, is an alternative to bar codes - more comfortable and more efficient.

Type	RFID LF
Frequency	125kHz, 134kHz (FDX-B / HDX)
Protocols	ISO11784/5, ISO18000-2
Read distance	3-8cm

NFC

Near field communication (NFC) is 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 (3.9 in) or less.

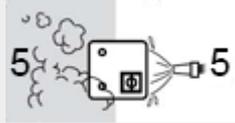|	
Frequency	13.56MHz
Protocols	ISO/IEC 18092 (ECMA 340)
Read distance	2-4cm

Resistance

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Work temperature	-20 to 50
Humidity	5% - 95% (non-condensing)
Dust resistance	IPx6
Water resistance	IPx5
Drop resistance	1.2m

Resistance IP65

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

The first digit [x] Protection against solid objects	Protection Level	The second digits [y] Protection against liquids
Protection from solid objects greater than 50mm in diameter		Protection from dripping water
Protection from object not greater than 12mm in diamete		Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter		Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter		Protection from splashed water
Complete protection against contact, Protection against dust deposit		Protection from water projected from a nozzle
Complete protectionm against contact, Protection from infiltration of dust		Protection against heavy seas, or powerful jets of water
		Protection against immersion
		Protection against complete, continuous submersion in water
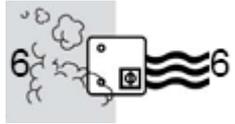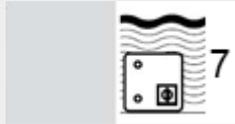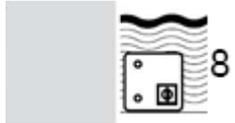
Modules and wireless networks

Thanks to the WCDMA module, you only need to insert a SIM card in the slot and you are able to instantly connect to the internet. Integrated software allows you to automatically detect and configure connections to mobile networks. Internal 4G module used in MobiPad A800NS adjusts automatically to transfer and network coverage.

Wi-Fi	802.11 b/g/n
GPS	GPS + A-GPS
Bluetooth	Bluetooth 2.0/3.0/4.1, Read distance: 5-10m
3G (optional)	4G: TDD-LTE (B38,B39,B40,B41), FDD-LTE (B1,B3) 3G: B1, B2, B5, B8 2G: GSM/EDGE/GPRS (850, 900, 1800, 1900MHz)
Phone calls	Yes

Application

Industrial data collector MobiPad 7SA07 is specifically designed for use in harsh industrial environments, as well as on the outside. Resistant plastic housing protects the display from the outside against mechanical damage, drops of water, sand and dust.

MobiPad 7SA07 is the best solution in conditions where there is dust or moisture.

Data collectors in the form of smartphones, thanks to its functionality and the ability to install in them a number of modules have been used in almost all fields of industry and not only. Collectors equipped with barcode scanners and RFID are primarily used in warehouses where, thanks to them, time-consuming activities will no longer be a problem. In turn, NFC readers can be used in both the smaller and larger stores as a payment card reader, making the payment becomes fast and convenient as never before.

Minimalism and comfort

You no longer need to worry about whether you will put your device into a briefcase, backpack or travel bag, this problem disappears forever with MobiPad A800NS. The device weighs just 500g and its dimensions (152mm x 77mm x 29mm) allow you to take this device everywhere.

receiver

light

TF slot
USB port

scan button

scan button

HOME button

scan button

back button

Enter button

power button

mic

scan window

speaker

camera

buckles for
battery cover

connector
for cradle