Rugged data collector MobiPad A355 2D Barcode Scanner

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 4.2
Display:	3.5" (320x480) Capacitive
Brightness:	~300Nit
Processor:	MediaTek MT6572 Dual-Core 1.4GHz
Memory:	512MB
Hard Drive:	-----
Flash Memory:	4GB
Touch screen:	Yes - Capacitive
Durability:	IP65
Drop:	1.2m
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -10°C -- 60°CStorage temperature: -20°C -- 70°C
Humidity:	10% -- 90%
1D barcode scanner (reader):	No (available in other configuration)
2D barcode scanner (reader):	Yes (CMOS)

RFID scanner (reader):	NFC 13.56MHz
Other:	**Thermal printer**
Battery:	3100mAh 7.4V Lithium
Working time on battery:	~ 8h
Fast battery replacement ability:	Yes
HotSwap battery:	No
LAN:	-----
WLAN:	IEEE 802.11 b/g/n
Bluetooth:	Bluetooth v4.0
WAN:	3G: WCDMA: HSPA+ (21.6Mb/s)2G: EDGE/GPRS/GSM
GPS:	Yes
Camera:	Rear: 5Mpx
In/Out:	OTG	Micro USB	SIM	RS232
Optional accessories:	----
Docking station connector:	No
VESA standard – holders and mounts support:	No
COM port:	Yes
Magnetic card reader (MSR):	-----
Microchip card reader:	-----
Contrast:	-----
Graphics card:	-----
Chipset:	-----
BIOS:	-----
Casing material:	High quality plastic
Flash Card Reader:	-----
CD/DVD:	-----
Audio:	Built-in speaker
Keyboard:	Onscreen + Keyboard + Function keys

Additional Navigation Devices :	-----
Color:	Black
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	-----
Security:	-----
Waterproof:	IP65
Sand and dust:	IP65
Size:	220mm x 85mm x 59mm - 570g
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 A355 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	MediaTek MT6572 Dual-Core 1.4GHz
RAM	512MB (optionally 1GB)
Flash memory	4GB (optionally 8GB)
Connectors	OTG | Micro USB | SIM | RS232
Display	3.5" (320x480) Capacitive
GPS	Yes
Audio	Built-in speake
Battery	3100mAh 7.4V Lithium
Camera (option)	Rear: 5Mpx
Keyboard	Physical + Function Keys | On-Screen
Operating system	Android 4.2
Modules	Bluetooth | Wi-Fi | GPS | 3G
Readers (optional)	NFC | 1D Scanner | 2D Scanner
Dimensions	220mm x 85mm x 59mm
Weight	570g
Resistance	IP65
Drop test	1.2m

MobiPad A355 is offered with the latest MediaTek MT6572 processor to ensure the highest performance, low power consumption and long battery life. The data collector works with Android 4.2 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".

	Scanner 1D	Scanner 2D	Camera	1GB ROM 8GB RAM
v.1	—	—	—	—
v.2	—	—		—
v.3		—		—
v.4		—		
v.5	—			—
v.6	—			

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

Printer

MobiPad A355 with built-in thermal printer is designed to work in the field, where it can be used to print receipts and receipts. A small number of moving parts and a robust design ensure trouble-free operation even in the harshest conditions. The use of thermal printing technology eliminates the need for expensive ink or toner. No matter how many

pages will be printed pages - ink in the printer does not run out.

Printing method	Direct thermal line printing
Paper width	58mm
Printing speed	60mm/s

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.

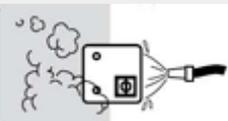|	
Frequency	13.56MHz
Protocols	ISO14443A, ISO14443B, ISO15693
Mifare	Yes
Read distance	~5cm

Resistance

Work temperature	-10 do 60
Storage temperature	-20 do 70
Work humidity	35% - 80%
Storage humidity	10% - 90%
Dust resistance	IPx6
Water resistance	IPx5
Drop test	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.

No protection	0		0	No protection

Protection against any large surface of the body, such as the back of a hand	1		1	Protection against vertically dripping water
Protection from object > 12mm, e.g. Fingers or similar objects	2		2	Protection against vertically dripping water when device is tilted at an angle up to 15 degrees
Protection from object > 2.5mm, e.g tools, thick wires, etc.	3		3	Protection against direct sprays of water when device is tilted at an angle up to 60 degrees
Protection from object > 1mm, e.g. most wires, slender screws, large ants etc.	4		4	Protection from sprays and splashing of water in all directions
Dust protected - Ingress of dust is almost entirely prevented.	5		5	**Protection from low pressure water projected from a nozzle with a 6.3mm diameter opening in any direction**
Dust tight - No ingress of dust, complete protection against contact.	6		6	Protection from water projected in powerful jets from a nozzle with a 12.5mm diameter opening in any direction
—	7		7	Protected from immersion in water with a depth of up to 1 meter (or 3.2ft) for up to 30 mins
—	8		8	Protected from immersion in water with a depth of more than 1 meter
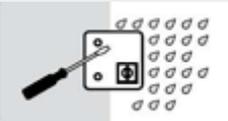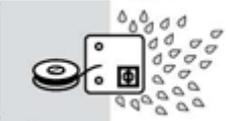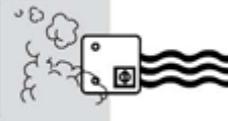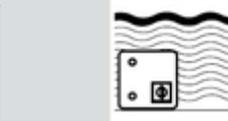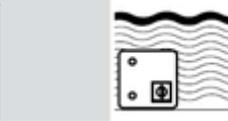
Modules and wireless networks

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 3G module used in MobiPad A355 adjusts automatically to transfer and network coverage.

Wi-Fi	802.11 b/g/n
GPS	GPS
Bluetooth	Bluetooth 4.0
WWAN	**3G:** WCDMA: HSPA+ (21.6Mb/s) **2G:** EDGE/GPRS/GSM
Phone calls	Yes

Application

Industrial data collector MobiPad A355 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 A355 is the best solution in conditions where there is dust or moisture.

Data collectors in the form of tablets and 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 A355. The device weighs just 570g and its dimensions (220mm x 85mm x 59mm) allow you to take this device everywhere.

Scanner Window

Camera& Flash light

Paper Cover

Belt

Battery Cover

Scanner

Paper Window

Camera& Flash light

Rs232   Reset

USB   Charging Port

PSAM*2

SIM Slot &SD Slot

Battery Swith