



Reinforced waterproof industrial mobile terminal - Speedata SD55 data collector NFC 2D

Category:	UMPC - Ruggedized
Manufacturer:	Speedata
Operating System:	Android 8.1 Oreo
Display:	5.5" (720 x 1440)
Brightness:	400 nits
Processor:	MT 6763 Octa-Core (8x 2.00 GHz)
Memory:	4GB DDR3L
Hard Drive:	-----
Flash Memory:	64GB eMMC
Touch screen:	Yes
Durability:	IP65
Drop:	1.5 meters
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -10°C -- 50°C Storage temperature: -30°C -- 70°C
Humidity:	5 - 95% (no condensation)
1D barcode scanner (reader):	2D Honeywell N6603
2D barcode scanner (reader):	2D Honeywell N6603
RFID scanner (reader):	NFC 13.56 MHz
Other:	-----

Battery:	4500 mAh
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 4.1
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:	Standard
Camera:	Front 5MpxRear: 13Mpx + Flash
In/Out:	USB - Type C, 1 x Micro SD (max.128GB), 1 x Micro-SIM
Optional accessories:	-----
Docking station connector:	Yes
VESA standard - holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	Integrated
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: 2 volume Keys, 2 function keys(1 left and right), 1 power key)
Additional Navigation Devices :	No
Color:	black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP65
Waterproof:	IPX5

Sand and dust:	IP6X
Size:	150 x 72,5 x 15mm
Fanless casing:	Yes

Product from the Archive - production finished

SPEEDATA SD55



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

AVAILABLE VERSIONS

Speedata SD55 is a modern, waterproof industrial tablet designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP65.

SPECIFICATION

Speedata SD55	
Processor	MT 6763 Octa-Core (8x 2.00 GHz)
Operating system	Android 8.1
RAM	4GB DDR3L
ROM	64GB eMMC
Display	5.5" (720 x 1440) HD+ 18:9
Touch screen	Capacitive
Battery	4500 mAh
Charging	Wireless Charging
Camera	5Mpx Przód 13Mpx Tył + Flash
Protection	IP65
Communication	4G Bluetooth Wi-Fi GPS
Connectors	USB - Type C
Memory card	Micro SD (max. 128GB)
SIM card	2x Micro SIM
1D Scanner	2D Honeywell N6603
2D Scanner	2D Honeywell N6603



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

Dustproof industrial tablet was equipped with high performance, energy-efficient MT6763 processor. Inside, there are eight 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.

Dimensions



Industrial Data Terminal Speedata SD55 is designed for resistance and convenience. The sleek and rugged 15mm 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	150 x 72,5 x 15mm
Net weight	240g (with battery)

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



IP65 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 against contact, Protection from infiltration of dust
IPX5	Protection from water projected from a nozzle

1.5m drop resistance

Specially designed construction gives the machine a chance of accidental falls from up to 1.5 meters in operating mode, even on hard surfaces. In addition, the tablet screen is protected by specially tempered glass Gorilla Glass.

Extreme temperatures

Speedata SD55 is suitable for continuous operation in both low and high temperatures in the range of -20°C to 60°C. When the device is off, it can handle temperatures ranging from -30°C to

80°C. In addition, the rugged industrial tablet performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

Working Temp.	-20°C do 60°C
Storage Temp.	-30°C do 80°C
Humidity	5% - 95% (Non-Condensing)



DATA COLLECTING

NFC

Short-range communication, known as NFC, is a radio communication standard that allows for wireless data exchange at a distance of a few centimeters. This technology is a simple extension of the proximity card standard that combines smart card interface and reader in one device. NFC devices can communicate with existing equipment in the standard ISO / IEC 14443A/B (cards and readers) as well as with other NFC devices, and thus are compatible with existing and already used public transport and payment infrastructures such as MIFARE.

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, 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.

2D Scanner	2D Honeywell N6603
Support codes	1D: Codabar, Code11, Code32, Code39, Code39, EAN-8, EAN-13, 2D: Aztec, Composite, DataMartix, MaxiCode, MicroPDF 417, M



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



AVAILABLE VERSIONS



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

Available versions



The industry-leading Speedata SD55 data collector is available in one version.