

SENER ST917M



SENER ST917M v. 2 – Robust, waterproof and dustproof data collector with 4G, NFC, BT and WIFI and 2D scanner Honeywell N5703

Category:	UMPC - Ruggedized
Manufacturer:	Sener
Operating System:	Android 10.0
Display:	4" IPS 800x480
Brightness:	400 cd/m ²
Processor:	Cortex-A53 Octa-core 64 bit 2.0GHz
Memory:	4GB
Hard Drive:	64GB
Flash Memory:	64GB eMMC
Touch screen:	Yes
Durability:	IP66
Drop:	1.2 meters
Shock:	-----
Vibration:	Yes
Temperature:	Operating temperature: -10°C -- 50°C Storage temperature: -40°C --60°C
Humidity:	5% - 95% RH
1D barcode scanner (reader):	Option

2D barcode scanner (reader):	Honeywell N5703
RFID scanner (reader):	NFC 13.56MHz obsługiwane protokoły 14443A/14443B
Other:	Gravity sensor Light sensor Proximity sensor
Battery:	4500mAh
Working time on battery:	12 hours
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	802.11 a/b/g/n/ac
Bluetooth:	Bluetooth 5.0
WAN:	FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE: B38/B39/B40/B41 WCDMA: 1/2/5/8 GSM/GPS: 2/3/5/8
GPS:	Built-in (GPS) + Glonass
Camera:	Rear: 13Mpx + Flash Front: 2Mpx
In/Out:	1x USB C, 1 x Micro SD (max.256GB), 1x SIM, 1xOTG, Audio
Optional accessories:	Docking station for 1 slot
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:	Cortex (800×480)
Chipset:	-----
BIOS:	-----
Casing material:	high quality plastic and rubber
Flash Card Reader:	microSD
CD/DVD:	-----

Audio:	Built-in Speaker : Microphone
Keyboard:	alphanumeric
Additional Navigation Devices :	No
Color:	black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP66
Waterproof:	IPX6
Sand and dust:	IP6X
Size:	160 x 70 x 20mm
Fanless casing:	Yes
Weight:	290g

Product from the Archive - production finished

SENER ST917M



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

SENER ST917M is a modern, waterproof industrial data collector designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP66.

SPECIFICATION

SENER ST917M	
Processor	Cortex-A53 Octa-core 64 bit 2.0GHz
Operating system	Android 10.0
RAM	4GB
ROM	64GB
Display	4" IPS (800*480)
Touch screen	Capacitive
Battery	4500 mAh
Camera	Front: 2Mpx Rear: 13Mpx autofocus + Flash
Protection	IP66

SENER ST917M	
Communication	Bluetooth 5.0 Wi-Fi GPS
Connectors	USB typu C OTG Audio
Memory card	Micro SD
SIM card	nano SIM x1
2D Scanner	Honeywell N5703 (Newland CM60 Honeywell N6603) *
Accessories	Docking station x1
NFC	Yes

* Optional equipment, available on specific versions only.



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

Dustproof industrial data collector was equipped with high performance, energy-efficient Cortex-A53 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.

Ergonomic design



Industrial Data Terminal SENTER ST917M

is designed for resistance and convenience. The sleek and rugged 20mm thick design and stylish case will make the collector 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.

Dimensions	160 mm x 70 mm x 20 mm
Net weight	220g

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 collector with a few fingers at once.

RESISTANCE

IP66 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	No ingress of dust, complete protection against contact. A vacuum must be applied. Test duration of up to 8 hours based on air flow.
IPX6	Protection against water jets (12.5 l / min) poured on the housing from any side.



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 collector screen is protected by specially tempered glass Gorilla Glass.

Extreme temperatures

SENER ST917M 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 -40°C to 60°C. In addition, the rugged industrial collector performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

Working Temp.	-10°C do 50°C
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Storage Temp.	-40°C do 60°C
Humidity	5 ~ 95%

DATA COLLECTING



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.

2D Scanner	Honeywell N5703 (Newland CM60 Honeywell N6603) *
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* Optional equipment, available on specific versions only.

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 / ISO14443A/B

(cards and readers) as well as with other NFC devices.

NFC 13.56MHz

*Supporting protocols 14443A
and 14443B*



WIRELESS COMMUNICATION



GPS Navigation

Mobile terminal SENTER ST917M is equipped with a professional A-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 5.0

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

The dual-band Wi-Fi module provides quick access to the network wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a router at home or place of residence and a wireless network that can be used at no extra charge. The shockproof industrial panel SENTER ST917M has been equipped with standards - 802.11n, which allows transfer of files at a dizzying speed of up to 150 Mb/s.

Standards	802.11a/b/g/n
Frequencies	2.4GHz



APPLICATION

Trade and Services

Thanks to their size and light weight, smartphone data collectors are a useful tool for sales representatives. Today's applications running under the collector system enable even entering the data collector'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 collectors in the trade, such as sending orders or invoices directly to the company through the GSM network or Wi-Fi.



Industry and Construction

Industrial data collectors 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 data collectors are undoubtedly: time savings, customer satisfaction thanks to the correct price and speed of operation.



ACCESSORIES AND AVAILABLE VERSIONS


The industry-leading SENTER ST917M data collector 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.



Accessories (option)

The SENTER ST917M can optionally be equipped with a 1-slot docking station for easy and convenient charging of the collector.

	v.1	v.2	v.3	v.4	v.5	v.6
Honeywell N5703	+	+	-	-	-	-
Honeywell N6603	-	-	-	-	+	+
Newland CM60	-	-	+	+	-	-
NFC	-	+	-	+	-	+

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