

ST907 V4.0

4G INDUSTRIAL TABLET PC





OVERVIEW



ST907V4.0 industrial tablet PC is manufactured by Shandong Senter Electronic Co., Ltd., which adopts quad core 1.5 GHz CPU and Android 5.1 operation system; LCD screen is readable under sunlight; can configure barcode scanning, RFID reader, fingerprint identification as well as other information acquisition module; has super long battery life; IP67 high reliable three-proof structure; drop resistance from 1.2m; ST907V4.0 rugged tablet PC is an internet information terminal which has advanced technology, powerful function and reliable performance.

ST907V4.0 adopts the combination of host and modular jacket design concept. It not only has intelligent operation platform but also has functional modular jacket with flexible configuration. So it can satisfy the customized requirements from different customers.

KEY

FEATURES



- Advanced system: Android 5.1 operating system; Qualcomm MSM89398 8 core 1.5 GHz CPU; RAM 3G ROM 32 G, Micro SD 128G
- Three-proof design: IP67 three protection grade(waterproof, dustproof and shockproof), drop resistance from 1.2m
- Visible under strong light; 7 inch LCD screen, 1280x800 IPS capacitive touch screen
- Googleplay, free SDK
- Powerful function: multi function information acquisition configuration (1D/2D bar code scanning, LF/HF/UHF RFID reader, fingerprint identification)
- Multi communication modes: 3G/4G, WIFI, Bluetooth and many wireless communication modes
- Strong battery life: 3.7V, 7200mAh, more than 600 hours of continuous standby
- Support professional GPS: support differential data or common GPS(GIONASS)
- Support jacket extension: satisfy custom applications from customers
- Certification: CCC/CE/ROSH/FCC/IP67/MIL -STD-810G

OUTDOOR APPLICATION, WIDELY USED
OPTIONAL MODULES, COMBINE AT WILL
INDUSTRIAL PROTECTION, MILITARY QUALITY

SPECIFICATIONS



General Specifications

Operating System	Android 5.1
CPU	Qualcomm MSM8939, 8 core CPU, 1.5GHz
RAM	RAM: 3G FLASH: 32G
Extended Storage	Micro SD, Maximum 128G
USB port	5 pin MicroUSB; support OTG (U-disk/Mouse/Keyboard/USB Ethernet cable)
OTG	Support, through OTG can meet 100M network port, network card setup, PPPoE dial-up, web browsing. Support OTG extend RS232 serial port
External port	Charge port, headphone port

Protection Grade

Industrial Protection Grade	IP67
Drop Grade	Drop resistance from 1.2m

Wireless Communication

Bluetooth	Support 4.0
✦GPS	Support GPS, DBS, GLONASS and professional GPS,Ublox; GPS and Beidou (alternative)

WIFI	Support IEEE 802.11b/g/n, 2.G and 5G
2G/3G/4G	<p>CDMA 1X/EVDO BC0</p> <p>GSM 850/900/1800MHZ</p> <p>WCDMA B1/B5/B8</p> <p>TD-SCDMA B34/B39</p> <p>FDD-LTE:B1/B3</p> <p>TD-LTE: B38/B39/B40/B41</p>
Data Acquisition (Optional)	
Fingerprint identification	<p>Supports fingerprint entry, image collection, fingerprint recognition, fingerprint deletion etc.</p> <p>Type: TCSIST semiconductor sensor</p> <p>Acquisition window size: 24.5*19mm</p> <p>Effective image size:15.5*18.5mm</p> <p>Sensor type: capacitive</p> <p>Image size: 256*360 pixel</p> <p>Resolution: 500 DPI</p> <p>Matching mode: contrast mode(1:1); search mode(1:N)</p>
Far infrared meter reading	Working frequency 37.9K
Barcode Scanning	<p>1D Infrared Scanner Index:</p> <p>Scanning speed: 50 times/second</p> <p>Scanning distance: 5.7cm-60.96cm</p> <p>Scanning angle: 53.3° ±3°</p>
	<p>1D Laser Scanner Index:</p> <p>Scanning speed: 104 times/second+12 times/second (two way scanning)</p> <p>Scanning distance: 2.5cm-114.3cm</p> <p>Scanning angle: 47±3°(default) /35±3°(reduced code)</p>
	<p>2D Barcode Scanner Index:</p> <p>Identification ability: 1D, 2D, OCR</p> <p>Scanning angle: rotate 360°, incline±50°, deflection ±50°</p> <p>Field of View: Horizontal 36°, vertical 23°</p> <p>Depth of field: 4cm-23.5cm</p>

<https://reunit.ru/>

	Environmental luminance: 0~100,000 LUX
RFID	LF RFID: 134KHZ LF RFID or 124KHZ LF RFID https://reunit.ru/
	NFC (HF) RFID: Working frequency: 13.56MHZ Profile: Support ISO/IEC 15693, ISO/IEC 14443A profile Support Cards: SR176, SR1X4K (TYPE-B), I- Code2, TI RFID label-it HF-I, EM4034, Mifare Classic ETC Identification distance: not more than 5cm
	UHF RFID: Working frequency: 840-960MHz(customization of required frequency band) Support agreement: EPC C1 GEN2/ISO 18000-6C Output power: 10dBm-30dBm Identification distance: not more than 6m
Physical Parameters	
Display Screen	7 inch LCD screen, 1280x800 IPS screen, capacitive touch screen
Keyboard	Android menu, Homepage, Return, Volume, Barcode, ON/OFF, Reset
Camera	2 million pixels front camera, 8 million pixels rear camera with automatic focus and lighting function
Headset	3.5mm audio Interface, has mike and telephone receiver
LED indicator light	Support (ordinary flicker, Call fast flicker, missed calls) three status bar
Flashlight Function	Support, can be used for emergency lighting
Googleplay store	Support
Gravity sensor	Support
Compass	Support
Vibrating motor	Support
FM	Support
Rechargeable Lithium Battery	3.7V, 7000mAh
Standby	Standby current less than 10mA












Dimension	209*139*19mm
Weight	590g
Environmental Characteristics	
Working Temperature	-20 °C ~ +50 °C
Storage Temperature	-40 °C ~ +60 °C
Humidity	5%-95% relative humidity; no condensation

APPLICATION



This advanced industrial-grade mobile information terminal can be widely used in mobile informatization projects of various industries, for example inspection, electric power, communication, gas, water affairs, logistics, medical treatment, government affairs, police affairs, forestry, traceability and other fields.

PACKAGING

NO.	Items	Picture
1	ST907V4.0 Industrial PC	
2	Charger	
3	USB Cable	
4	User Manual	
7	Handbelt	
8	Earphone (Optional)	
9	OTG device USB-LAN RJ45(Optional)	
10	Vehicle Charger(Optional)	
11	Holder on the wall(Optional)	
12	Straps and Touch pen(Optional)	
13	Bag(Optional)	

Ordering Information		Module Code	Module Type
Standard / Basic Part			
ST907V4.0 Host		ST907V4.0 Q-G	Android 5.1 OS, 8 Core, 1.5G IP67 / Bluetooth /4G/ WIFI / GPS with accuracy 10m 7 inch IPS 1280*800 / 8 Million Pixels Camera 7000mAh Lithium Battery / Mini USB Port
Optional Module			
Barcode Scanning		R	CCD Barcode Scanning
		J	1D Laser Barcode Scanning
		2	2D Barcode Scanning
RFID	LF RFID	4	LF 134KHZ (FDX)
		5	LF 125KHZ
		C	LF 134KHz (FDX/HDX)
	HF RFID	H	HF RFID 13.56Mhz
	UHF RFID (865-868MHZ is optional)	1/N	UHF (900MHZ- 1 or 865-868MHZ- N , 0.5m)
		M/E	UHF (900MHZ- M or 865-868MHZ- E , 4m)
High Precise GPS		P	High Precise GPS Locating Module with accuracy 2.5m
Fingerprint		F	Fingerprint Module
Infrared Communication		T	Infrared Communication

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