

SA T9680 series is rugged Android 7.1 industrial tablets, which is designed for heavy duty working applications with cost-effective cost. This series has several models for different functions: 1d laser, 2d CMOS, Fingerprint Identification, Far infrared meter reading and rfid, etc.

T9680-1D is integrated with 1d laser scan engine and T9680-2D is integrated with 2d barcode scanning technology. It provides users with more convenience for decoding all standard 1D and some types of 2D barcode which enabling them to be more productive and reducing your need to invest in multiple devices.

This series have three RFID models: T9680-HF, T9680-LF and T9680-UHF, which for different RFID frequency. Besides, this series also have T9680-FI for far infrared meter reading and T9680-FR for Fingerprint identification.

Its housing design can also provide excellent performance for a wide variety of applications, such as retail, government, distribution centers, field service, direct to store delivery, healthcare, laboratory, etc.



Features

- **Advanced System:** Android 7.1 operating system; CPU MSM8953, 8 core, 2GHz CPU; RAM 4GB ROM 64GB, Micro SD 128G
- **Visible Under Strong Light:** 8 inch LCD screen, 1920x1200 IPS capacitive touch screen
- **Docking Station:** Make the tablet charging easier
- **Support Jacket Extension:** Satisfy custom applications from customers
- **Multi Communication Modes:** 3G/4G, WIFI, Bluetooth and many wireless communication modes
- **Powerful Function:** Multi function information acquisition configuration (1D/2D bar code scanning, LF/HF/UHF RFID reader, fingerprint identification)
- **Others:** Fully decoding 1D standard barcode and QR Code, Data Matrix, PDF417, etc.

Performance

Operating System:Android 7.1
CPU:MSM8953, 8 core CPU, 2GHz
RAM:RAM: 4GB FLASH: 64GB
Extended Storage:Micro SD, Maximum 128G
USB Port:5 pin MicroUSB; Support to connect U-disk/Mouse/Keyboard/OTG line
OTG:Through OTG can meet 100M network port, network card setup, PPPoE dial-up, web browsing. Support OTG extend RS232 serial port/485 serial port/RJ45 Serial port
External Port:Charge port, headphone port
IP Rating: IP67
Drop Grade:Drop resistance from 1.2m

Wireless Communication

Bluetooth:Support 4.0
GPS:GPS+BDS+A-GPS+GLONASS
High precise GPS: NE0-6M
GPS+BDS: NEO-M8N
GPS+GOLNESS: NEO-M8N Accuracy 4m
WIFI:Support IEEE 802.11a/b/g/n/ac
2G/3G/4G:
GSM 850/900/1800/1900 B5/B8/B3/B2
WCDMA B1/B2/B4 2100/1900/1700
TD-SCDMA B34/B39
FDD-LTE: B1/B3/B5/B7/B8
2100/1800/850/2600/900
TDD-LTE :
Band38:2570 MHz - 2620 MHz
Band39: 1880 MHz - 1920 MHz
B41:2555-2655MHz
B40/:2300-2400MHz B38/B39/B41/B40/ B38/
B39/B40/B41

Environmental Characteristics

Working Temperature:-10°C~ +50°C
Storage Temperature:-40°C ~ +60°C
Humidity:5%-95% relative humidity; no condensation

Physical Parameters

Display Screen:8 inch LCD screen, 1280*800,1920*1200(option ,IPS screen, capacitive touch screen
Keyboard:Android menu, Homepage, Return, Volume, Barcode, ON/OFF, Reset
Camera:5 million pixels front camera, 13 million pixels rear camera with automatic focus and lighting function
Headset:3.5mm audio Interface, has MIC and Single loudspeaker
LED indicator light:Support (ordinary flicker, Call fast flicker, missed calls, charge indicator)
Flashlight Function:Support, can be used for emergency lighting
Googleplay Store:Support
Gravity Sensor:Support
Compass:Support
Gyroscopes:NOT Support
Acceleration Sensors:Support
Light and Distance Sensor:Support
Vibrating Motor:Support
FM:Support
Rechargeable Lithium Battery:3.8V, 10000mAh
Dimension:232*158*22
Weight:810g

Standard Accessories

Charger
USB Cable
User Manual
Handbelt



Far infrared meter reading

Far infrared meter reading: Working frequency 37.9K

Barcode Scanning Engine

1D Laser Scanner Index(Internal):

Honeywell N4313 or Zebra EM1350

Scanning speed: 104 times/second+12 times/second (two way scanning)

Scanning distance: 2.5cm-114.3cm

Scanning angle: $47\pm 3^\circ$ (default) / $35\pm 3^\circ$ (reduced code)

2D Barcode Scanner Index(Internal):

Newlands EM3096

Honeywell N3680

Motorola SE4710

Motorola SE4750

Honeywell N6603

Identification ability: 1D, 2D, OCR

Scanning angle: rotate 360° , incline $\pm 50^\circ$, deflection $\pm 50^\circ$

Field of View: Horizontal 36° , vertical 23°

Depth of field: 4cm-23.5cm

Environmental luminance: 0~100,000 LUX

Decoding Capability

1-D UPC/EAN (UPCA/UPCE/UPCE1/EAN-8/EAN-13/JAN-8/JAN-13 plus supplementals, ISBN (Bookland), ISSN, Coupon Code), Code 39 (Standard, Full ASCII, Trioptic, Code 32 (Italian Pharmacode), Code 128 (Standard, Full ASCII, UCC/EAN-128, ISBT-128 Concatenated), Code 93, Codabar/NW7, 2 of 5 (Interleaved 2 of 5, Discrete 2 of 5, IATA, Chinese 2 of 5, Matrix 2 of 5, Code 11), MSI Plessey, GS1 DataBar Omnidirectional, Truncated, Stacked, Stacked Omnidirectional, Limited, Expanded, Expanded Stacked)

Postal 4 State Customer, UPU FICS 4 State Postal, USPS 4CB, Canadian Post (Postbar), etc.

2-D PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, Aztec, Hanxin, etc.

RFID

HF RFID(Internal):

Support NFC/NXP, 13.56MHz ISO14443A,B and ISO15693 protocol, reading distance 0-3cm

LF RFID:

134.2KHZ LF RFID, support ISO11784/5 protocol, support to read IC card(FDX/HDX)

125KHZ LF RFID, support to read ID card

UHF RFID:

External

Supports EPC C1 GEN2/ ISO 18000-6C and ISO 18000-6B/6C protocol

Reading distance: 1.8m/3.5m

Frequency: 865-868Mhz or 920-925Mhz

Ceramic antenna: 0.3db(25*25*4mm)

Environmental Characteristics

Working Temperature: $-10^\circ\text{C} \sim +50^\circ\text{C}$

Storage Temperature: $-40^\circ\text{C} \sim +60^\circ\text{C}$

Humidity: 5%-95% relative humidity; no condensation

Certification

CCC/CE/ROSH/FCC/IP67/MIL-STD-810

