

Shenzhen sincoole technology Co.,LTD

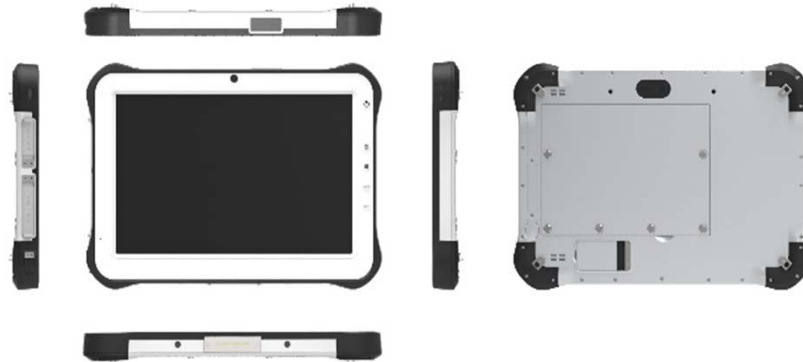
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Product Model : ST10

Mold Pictures



System Physical Standard Configuration:

Type	Details	Descriptions
Product Form	Product Form	Straight Plate
	Dimensions	272*195*22mm
LCD	Screen Size	10.1' 16:10
	Screen Resolution	1280*800 IPS

TP	Touch Module	10 Point Capacitive
Battery	Type	Lithium-ion polymer battery,
	Capacity	3.7V/10000mAH,pluggable battery
	Endurance	8 Hours
System hardware configuration:		
Type	Details	Descriptions
CPU	Type	Intel Baytrail-T(Quad-core), Z3735F/G
	Speed	1.33Ghz-1.86GHz
GPU	Type	Intel HD Graphic(Gen7)
Multi-media (Hardware decoding)	Photo Viewer	BMP, JPG, GIF, PNG
	Video Format	MEPG 1/2/4,H.263/H.264,RMVB,WMV/VC-1,MVC,AVS,MJPEG. (UP TO 1080P
	Audio Format	MP3,WMA,WAV,OGG,FLAC,ALAC,APE,AAC,AC-3,DTS (need license)
RAM	Capacity	1GB/2GB DDR3L
ROM Flash	Capacity	32GB (16GB/64GB/128GB optional)
Camera	Front	2.0MP
	Rear	2.0MP/5.0MP (optional)
Speaker	Size	Built-in 8Ω/0.8W speaker x 2
G-sensor	Built-in	Gravity acceleration sensor
Network Connections:		
Type	Details	Descriptions
WIFI	WIFI module	WIFI 802.11(2.4G+5.8G)+BT 4.0
3G	External	3G Dongle (WCDMA/EVDO/TD-SCDMA optional) / built-in WCDMA
Ethernet Network	MiNi USB switch to Ethernet Network	Supportive RJ45
Interface Configuration:		
Type	Details	Descriptions
Memory card sock	External memory	Support SDHC/SDXC
USB interface	Data transfer supportive	USB 2.0
Headphone jack	Music output	ϕ 3.5mm standard headphone jack

DC connector	Power	φ 3.5MM power connector
HDMI interface	Video output	HDMI 1.4a
Keyboard	Input device	Wired / Wireless Supportive
Dock station	Input device	DC,RJ45, RS232,USB 2.0*2,

Necessary Accessories:

Type	Details	Descriptions
Power adapter	Standard Configuration	5V/3A
USB patch cord	Standard Configuration	Standard USB to Micro USB
Type	Details	Descriptions
Operating System	Operating system version	Windows 8.1
	Language	Multi-language supportive
	HTML5	Supportive

Optional module RFID

Type	Details	Descriptions	
RFID(13.56M)	RF Frequency	13.56MHz support 14443A/14443B/15693/18092/mifare protocol	
	chipset setting mode	Card reader mode (without SE,do not Android card reading function)	
	Interface	RS232(TTL)	
	Voltage range	3.3V	
	Working current	<150mA	
	standardby current	<1mA	
	Baud rate	9.6 to115.2 kbps	
	Work range	<10cm	
	Main function		Data interchange between MID and NFC, provide API interface based on JAVA layer
			low power control consumption
		card can be read by ISO14443A/B, ISO15693 protocol	
RFID antenna		Internal : Magnetic FPC	

Optional module Unicorecomm

Type	Details	Descriptions
BDS/GPS dual mode	Voltage range	2.7~3.3`VDC
	power consumption	120mA
	frequency	1559~1577MHZ
	positioning accuracy(RMS)	2.5m CEP(a level when dual system)
	Standing wave ratio	<1.5
	RMS	GPS/GNSS:0.1m/s , Beidou:0.2m/s
	first-positioning time	cold start time :32S, hot start time:1S, recapture time :<1s
	sensetivity	Tracking: Beidou-160dBm, GPS-160dBm ; Capture: Beidou-145dBm, GPS-147dBm
	data updating rate	1Hz(can update to 5Hz)
	Data Interface	NMEA0183(compatible with Beidou) Unicore protocol
	Dimension	16.0X12.2X2.4mm
	Operating temperature	-40 °C- 85 °C

Optional module Taidou Beidou

Type	Details	Descriptions
BDS/GPS dual mode	Catch sensitivity	sensitivity : -144 dBm
	Tracking sensitivity	sensitivity : -159dBm
	cold start time	<35s
	Positioning accuracy(RMS)	<5m
	Working voltage	3.0V-3.6V
	power consumption	<65mA
	frequency	support BD2 B1 and GPS L1 frequency points
	3 type working mode	single BD2 B1 single GPS L1 BD2 B1/GPS L1 dual working mode

operating temperature	Working temperature: -40 °C 85 °C
Dimension	12.5mmX18mmX2.0mm

Optional module Fingerprint identification

Type	Details	Descriptions
Fingerprint module	CPU	Inner core : Cotex-M3 (108MHz main frequency、 1M Flash Memory、 96KB SRAM)
	fingerprint collector	Array of semiconductor fingerprint sensor : FPC1011
	registigation capacity	2000 fingerprints
	FAR	< 0.001 % (Security Level 3)
	FRR	< 0.1 % (Security Level 3)
	way of comparison	1:N and 1:1 contrast
	size	498 Byte
	saf level set	Level 1 to Level 5 , Default : Level 3
	processing speed	fingerprint recognized time< 0.45s ; 1:N (when up to the capacity 3000) < 1.5s
	telecom interface	UART,3.3V-TTL electric level
	Serial communication parameters	Baud rate: 9600、 19200、 38400、 57600、 115200 (BPS) Default:115200bps
	working voltage&current	DC3.3V-DC6V ; <100mA
Operating condition	working temperature : -10 °C- 60 °C ; relative humidity : 20%– 80%	

Optional module 1D Barcode module

Type	Details	Descriptions
1D Barcode module	optical position	5mil
	scan speed	50/s
	scan angel	53°+3°/-3°
	wake-up time	<10ms
	working current/peak current	165mA
	power supply	45mA
	Domancy current	115uA
	Operating voltage	DC3.0V-DC3.6V
	Svmhol system	UPC/EAN, Bookland EAN ,UCC Coupon Code,ISSN EAN,Code 128,GS1-128,ISBT 128,

	Symbol system	Code 39, Trioptic Code 39, Code 32, Code 93, Code 11
	Operating condition	working temperature : -20 °C- 50 °C ; relative humidity : 5%–95%

Optional module 2D Barcode module		
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Type	Details	Descriptions
2D Barcode module	optical position	1280*800 ; 5mil
	scan speed	50 times/s
	scan angel	42° broad ; 28° high
	wake-up time	<10ms
	working current/peak current	280mA/400mA
	power supply	45mA
	Domancy current	15mA
	Operating voltage	DC3.3V+/-0.3V
	Symbol system	PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse Maxicode, QR Code, MicroQR, QR Inverse, Aztec, Aztec Inverses, Han Xin, Han Xin Inverse
	Operating condition	working temperature : -20 °C 50 °C ; relative humidity : 5%–95%

Features:

- 1.Support Windows 8.1/Android 4.4.4 dual OS;
- 2.Support all size standard USB2.0 jack;
3. Support Docking extending charge ;
- 4.Support RFID(13.56M);
- 5.Support BDS/GPS dual navigation;
- 6.Support 1D barcode/2D barcode scan;
- 7.Support Fingerprint recognition.
- 8.Support water/dust/drop proof IP65
- 9.Support 10000mAh big power battery
- 10.Support the 3rd Generation Corning Glass touch screen
- 11.Support 400 Lumens highlight LCD
- 12.Android OS support NFC

13.Support tie and back to carry.

Charging Docking

Picture

