



ASCAN 100

Durability
Power
Performance



The android handheld mobile computing that gives you all the features you need to operate your business with precision and confidence





android OS		
OS	Android 4.4.2	
Hardware		
Core board	CPU	Quad-core 1.3Ghz ARM® Cortex-A7 MPCore™ (LPDDR2 and LPDDR3)
	WWLAN	GSM band 850/900/1800/1900MHz, Class 12 GPRS, EDGE 850/900/1900/ 2100MHz HSPA
	Flash ROM	8GB
	RAM	1GB DDR3
Motherboard		
Display @	4.5inch IPS 480*854	
touch screen	Multi-point touch capacitive screen	
Form Factor	Bar type classical PDA,Industrial appearance	
GPS	Supports GPS/QZSS/SBAS (WAAS/MSAS/EGNOS/GAGAN). Support Full AGPS	
Bluetooth	v2.1+EDR / 3.0+HS / v4.0 Low Energy (LE)	
WiFi	2.4Ghz 802.11 b/g/n	
External Interface	USB HOST/RS232(Customized)	
Protection class	IP65	
Drop resistance level	1.5m	
Camera Function	Camera	8MP Camera
	Video	Support still image and video capture
Sensor	G-sensor	LIS3DH
	Compass	AK09911C
	Gyro	MPU3050C
	Light	STK3410
Keypad	Front	17
	Side	4
Interface	Mini-USB connector	USB2.0 connection
	SIM card slot	*2
	TF card slot	Yes
	power jack	Yes
	Audio Jack	Yes
Battery	Type	rechargeable Li-ion battery 4500mAh
	Standby Time	500hours
	Calls Time	Up to 6hours
	Charging Time	4 hours
Physical Character-istics	Dimension	175*76*27mm
	Weight	>400g with battery (according config)



Function Options

MSR(Optional)		Compatible with one, two, three track. (without PCI, EMV security certification.)
PSAM(Optional)		ISO7816 (SIM card interfacne)
IC card reader(Optional)		ISO7816 ID-1
Fingerprint reader	option 1	UPEK TCS1 (meet the FBI's FIPS-201)
	option 2	UPEK TCS2SS
printer		2 inch Direct thermal line printing
Far Infrared Meter Reading (Optional)		IEC62056-21(IEC1107) communication protocol
433Mhz module		Require customers to provide 433Mhz wireless modules or specifications.
zigbee		Require customers to provide 433Mhz wireless modules or specifications.
RFID Reader	option 1	LF RFID(134.2khz, ISO11784/11785, FDX-B/HDX)
	option 2	LF RFID(125KHz)
	option 3	HF RFID(13.56MHz ISO 1443A/B ISO 15693)
	option 4	NFC(include 13.56MHz ISO 1443A/B)
	option 5	UHF RFID 860-960MHZ ISO18000-6C (EPC Gen2) / ISO18000-6A,B compatibility in direct mode----with AS3992 shipset
	option 6	UHF RFID 860-960MHZ ISO18000-6C (EPC Gen2) -with PR92000 shipset
barcode scanner	option 1	NEWLAND:EM1300(1D barcode reader)
	option 2	NEWLAND:EM3000(1D/2D barcode reader)
	option 3	symbol:SE955(1D laser barcode reader)
	option 4	HoneyWell:N4313 (1D laser barcode reader)
	option 5	Symbol: se4500(1D&2D barcode reader)

UHF RFID antanna1	Circularly polarized Dielectric Ceramics
	Antenna model: 40*40*5mm
	Frequency Range: 922.5MHz±8MHz
	Gain(Typical): 2dBi Based on65×65mm ground plane
	Impedence: 50 ohm

UHF RFID antanna2	Circularly polarized Dielectric Ceramics
	Antenna model: 40*40*5mm
	Frequency Range: 865MHz-868MHz
	Gain(Typical): 2dBi Based on65×65mm ground plane
	Impedence: 50 ohm

UHF RFID antanna3	Circularly polarized Dielectric Ceramics
	Antenna model: 35*35*5mm
	Frequency Range: 922.5MHz±8MHz
	Gain(Typical): 2dBi Based on35×35mm ground plane
	Impedence: 50 ohm