



Shenzhen Tousei Technology Co., LTD

Contact: Shaorn Wang

Address: 2nd Floor, 248 Huaqing Avenue, Qinghu,  
Longhua District, Shenzhen

Phone/wechat /whatsApp: 8613392403220

E-mail : Shaornwang@tousei.com.cn

# Android All-in-one POS Terminal



For Your Mobile payment solutions

Android OS All-in-one  
7/3.5inch Multi-touch dual screen  
IC Card,Magnetic Stripe Card  
WIFI,Bultooth,GPS

## » PT7003

### Mobile POS Terminal



Mobile  
checkout



Handheld  
ordering



Online  
takeout  
orders



Sacnning for  
stock-taking



NFC



4G  
Network



|                  |   |                    |   |
|------------------|---|--------------------|---|
| Operation System | Android 7.0   | Printer            | Thermal Direct 58mm, 40mm/sec             |
| Application CPU  | APM Cortex A53 Quad core 1.3GHz   | Front Camera       | 5MP fixed (Optional)                      |
| Storage memory   | RAM 1GB + Flash ROM 8GB   | Barcode Scanner    | 1D & 2D barcodes (Optional)               |
| Dual Display     | 7.0 IPS TFT LCD. HD 800 x 1280pixel<br>3.5 320 x 480pixel                                 | Card slots         | 1 SIM Card Slot, 2 PSAM or SAM Card Slots |
| Touch screen     | Capacitive Multi Touch Screen   | Extended storage   | 1 Micro SD/TF Card Slot                   |
| Communication    | LTE-FDD: B1/B3/B5/B7/B8/B20 (Optional)<br>LTE-TDD: B38/B39/B40/B41(Optional)<br>WCDMA/GSM | Physical interface | Micro USB                                 |
| Wi-Fi            | 802.11 a/b/q/n, 2.4GHz & 5GHz   | Physical Keys      | 1 Power, 1 Volume                         |
| BluetoothAndroid | v4.2 (Support BLE)/V3.0/V2.1  | Speaker            | Built in 1.0W                             |
| GPS              | GPS, A-GPS (optional)   | Certification      | EMV L1/L2, CE, FCC                        |
| Magstripe Card   | 1/2/3 track, two-way card(Optional)   | Dimension& Weight  | 255*121*91mm, 800g (include battery)      |
| Smart Card       | EMV standards   | Battery            | Built in Li-Ion Polymer, 7.4V/ 3,900mAh   |
| NFC              | ISO/IEC 14443 Type A/B, Mifare card   | Charging           | Adapter DC 9.0V/2.5A                      |

Android OS All-in-one  
5inch touch screen  
58mm printer,Camera  
3G,WIFI,Bluetooth

»TS-M2  
ALL-in-one Smart POS

- 

Mobile checkout
- 

Handheld ordering
- 

Online takeout orders
- 

Scanning for stock-taking
- 

NFC
- 

3G Network



|              |  |                      |  |
|--------------|--|----------------------|--|
| OS           | Android 8.0  | Mircrophone          | 1*MIC, Acoustic Wave Payment Supported                               |
| CPU          | ARM Cortex-A7 Quad Core 1.3GHZ                                 | Wireless Data        | 2G/3G(GSM+WCDMA); GSM(850/900/1800/1900)+WCD - MA(850/900/1900/2100) |
| FLASH        | 8GB Nand Flash   | Printing             | Thermal Line Printing  |
| RAM          | 1GB  | Printing paper       | 58MM   |
| LCD Screen   | 5" HD, 1280*720, IPS   | Printing speed       | 70MM/S   |
| Touch Screen | Capacity Multi-point Touch Screen                              | Printer service life | 50KM   |
| Camera       | 5M AF, support auto focus                                      | Roll diameter        | Max. 40MM  |
| Bluetooth    | Support V2.1+EDR, 3.0+HS, V4.0, BLE, iBeacon                   | Button               | Power On Button, Volume Up/Volume Down                               |
| NFC          | Optional, (13.56MHz, Support ISO 14443A, ISO 14443B, ISO15693) | Interface            | Micro USB2.0, support OTG, SIM Card Slot                             |
| GPS          | Support GPS, A-GPS   | Battery              | Built-in Li battery, 3.7v/7500mAh                                    |
| WIFI         | Single-band(2.4GHz) Single Stream; Support 802.11b/g/n         | Thimble Type         | Input: AC100-240V/1.5A, 50/60HZ; Output: DC5V/1A                     |
| Speaker      | Single Track 1W, Volume Up To 90 DB(Adjustable)                | Charging Base        | Optional   |







Android OS All-in-one  
5.5inch Touch Screen  
Certified with PCI,EMV,CE,FCC  
WIFI,Bluetooth,Optional with fingerprint

# »TS-P30


Mobile POS Terminal




4G  
Network




Sacnning for  
stock-taking




Handheld  
ordering



Mobile  
checkout



Online  
takeout  
orders



NFC



|                  |  |                      |   |
|------------------|--|----------------------|---|
| Operation System | Android 10.0   | Magstripe Card       | 1/2/3 track, two-way card(Optional)     |
| Application CPU  | MTK 64-bit 4-core processor, 1.3 GHz ,32-bit safty con                                   | Smart Card           | EMV standards                           |
| Storage memory   | RAM 1GB + Flash ROM 8GB,(2GB+16GB Optional)  | NFC                  | ISO/IEC 14443 Type A/BMifare card       |
| Display          | 5.5 IPS TFT LCD, HD 800 x 1280pixel  | Printer              | Thermal Direct 58mm, 40mm/sec, Max 40mm |
| Touch screen     | Capacitive Multi Touch Screen  | Rear Camera          | 5MP AF/ 1D & 2D barcodes                |
| Communication    | LTE-FDD : B1/B3/B5/B7/B8/B20 (Optional)<br>TDD : B38/B39/B40/B41 (optional)<br>WCDMA/GSM | Built in Fingerprint | Optional                                |
| Wi-Fi            | 802.11a/b/g/n, 2.4GHz & 5GHz   | Physical interface   | 1 TYPE-C USB OTG, 1 Micro USB           |
| Bluetooth        | V4.2 (Support BLE)/V3.0/V2.1   | Card slots           | 2SIM +2 PSAM or 1SIM+3PSAM              |
|                  |  | Physical buttons     | 1 power button, 2 function buttons      |
|                  |  | Certification        | PCI 6.X, EMVL1,L2, Union Pay, CE, FCC   |
|                  |  | Dimension & Weight   | 85mm*198mm*58mm, 450g (includ battery)  |
|                  |  | Battery              | Removeable Li-Ion Polymer, 3.7V/2600mAh |

Android OS All-in-one  
5inch Multi-touch screen  
IC Card Magnetic Stripe card  
Wifi, Bluetooth  
Certifed PCI,EMV,VISA,Mastercard

» TS-P20L  
Mobile POS Terminal



Mobile  
checkout



Handheld  
ordering



Online  
takeout  
orders



Sacnning for  
stock-taking



NFC



4G  
Network



PSAM



|                  |   |                    |  |
|------------------|---|--------------------|--|
| Operation System | Android 7.0   | Rear Camera        | 5MP AF/ 1D & 2D barcodes                               |
| Application CPU  | ARM Cortex A53 Quad core 1.3GHz   | Card slots         | 1 SIM Card Slot, 1 PSAM or SAM Card Slots              |
| Storage memory   | RAM 1GB + Flash ROM 8GB, 32-Safety control  | Physical interface | Micro USB, Support OTG                                 |
| Dual Display     | 5.0 IPS TFT LCD, HD 800 x 1280pixel   | Physical Keys      | 1 Power, 1 Volume                                      |
| Touch screen     | Capacitive Multi Touch Screen   | Speaker & MIC      | Built in 1.0W, Built in Microphone                     |
| Communication    | LTE-FDD: B1/B3/B5/B7/B8/B20 (Optional)<br>LTE-TDD: B38/B39/B40/B41(Optional)<br>WCDMA/GSM | Certification      | PCI PTS 5.0, EMVL1,L2 , VISA, Master, AMEX,JC-B,CE,FCC |
| Wi-Fi            | 802.11 a/b/q/n, 2.4GHz & 5GHz   | Dimension & Weight | 183*82*32mm, 400g (include battery)                    |
| BluetoothAndroid | v4.2 (Support BLE)/V3.0/V2.1  | Battery            | Removeable Li-Ion Polymer, 3.7V/4,300mAh               |
| Magstripe Card   | 1/2/3 track, two-way card(Optional)   | Charging           | USB Charger DC 5.0V/2.0A                               |
| Smart Card       | EMV standards   |                    |  |
| NFC              | ISO/IEC 14443 Type A/B、 Mifare card   |                    |  |
| Printer          | Thermal Direct 58mm, 40mm/sec   |                    |  |



Android OS All-in-one  
IC Card,Magnetic stripe card  
5inch Multi-touch screen  
Bluetooth,Fingerprint  
Certified PCI,EMV

»TS-PT50  
Mobile POS Terminal



4G  
Network



Sacnning for  
stock-taking



Handheld  
ordering



Mobile  
checkout



Online  
takeout  
orders



NFC



|                  |                                      |                    |   |
|------------------|--------------------------------------|--------------------|---|
| Operation System | Android 7.0                          | Fingerprint reader | Optional (Certified FBI PVI)              |
| Application CPU  | Cortex A53 Quad core 1.3GHz          | Printer            | Thermal Direct 58mm, 40mm/sec, Max 40mm   |
| Storage memory   | RAM 1GB + Flash ROM 8GB              | Camera             | Rear: 5MP AF/1D&2D barcode (optional)     |
| Dual Display     | 5.5 IPS TFT LCD ,HD 720 x 1280 pixel | Barcode Scanner    | 1D & 2D barcodes (Optional)               |
| Touch screen     | Capacitive Multi Touch Screen        | Card slots         | 1 SIM Card Slots,2 PSAM Card              |
| Communication    | LTE-FDD / LTE-TDD / WCDMA/ GSM       | Extended storage   | 1 Micro SD/TF Card Slot                   |
| Wi-Fi            | 802.11 a/b/q/n, 2.4GHz & 5GHz        | Physical interface | Type-C USB, Support OTG                   |
| BluetoothAndroid | V4.1 (Support BLE)/V3.0/V2.1         | Physical Keys      | 1 Power, 2 Volume, 1 Quickly scanning     |
| GPS              | GPS, A-GPS                           | Speaker            | Built in 1.0W                             |
| Magstripe Card   | 1/2/3 track, two-way card            | Certification      | PCI,PTS 5.X ,EMV L1/L2,CE                 |
| Smart Card       | EMV standards                        | Dimensions &Weight | 196*82*63mm, Under 500g (include battery) |
| NFC              | ISO/IEC 14443 Type A/B, Mifare card  | Battery            | Removeable Li-Ion Polymer 3.7V/ 5050mAh   |
|                  |                                      | Charging           | USB Charger DC 5.0V/2A                    |

Android OS All-in-one  
11.6inch EDP Screen  
IC card, NFC  
WIFI,Bluetooth  
Camera,Printer

»TS-11  
Desktop POS Terminal



58 mm print



Online  
takeout  
orders



Sacnning for  
stock-taking



NFC



4G  
Network



|                      |   |  |  |
|----------------------|---|--|--|
| Default allocation   | Android version .Windows version(Optional)  | Magnetic stripe cards Supports ISO7811 and reads data 1/2/3 tracks |  |
| Processor            | ARM Cortex-A53, 1.3ghz  | Safely control   | Two SAM card holders with SIM card size conforming to GSM11.11 support social security card and resident health card PSAM card |
| Memory               | Memory: 1G; Storage: 8G   | Barcode scanning   | Supports quick identification of one-dimensional code/two-dimensional code (paper code and electronic code)                    |
| Operating system     | Android 6.0   | power supply   | 12V/4A   |
| Display screen       | 11.6 inch EDP screen, 1920x1080 resolution  | Second generation IDENTITY card                                    | Support second-generation ID card information reading (optional)   |
| Touch screen         | Capacitive multipoint touch screen  | Metal keyboard   | Unionpay certified metal keyboard (optional)   |
| Keyboard             | Capacitive touch keypad   | Cutter   | Automatic paper cutting high speed thermal printer (optional)  |
| Print                | 57mm high-speed mail printer, support paper shortage detection (radiation sensor' |  |  |
| Camera               | 5 million pixel auto focus camera head .support face recognition application      |  |  |
| External interface   | Power port *1, RJ45 port *1, USB*1, power switch ,1, Serial port *1, Micro USB*1  |  |  |
| Internet             | 4G/ wired /WIFI/Bluetooth4.0  |  |  |
| Contact card         | Support contact CPU card, logical encryption card 4442/4428/24CXX                 |  |  |
| Social Security Card | Support social security card reading  |  |  |
| Contactless card     | Supports ISO14443 protocol, TypqA/B CPU cards, and Mifare cards                   |  |  |



Android OS All-in-one  
2GB+8GB memory  
RFID is optional  
58mm.80mm printer are available  
USB,RS232,RJ11,RJ45etc,multi interface

»TS-156  
Desktop POS Terminal

4G  
Network

Sacnning for  
stock-taking

58/80mm  
print

Online  
takeout  
orders

NFC



|                              |  |
|------------------------------|--|
| Operation System             | Android 11   |
| Application CPU              | RK3288 ARM Cortex-A17,quad core,1.8GHz   |
| Storage memory               | DDR 2GB+Storage 8GB  |
| Operation display            | G+G capacitive multi-point touch, glass polishing,waterproof or 14" RGB TFT,1366*768, Aspect ratio:16:9  |
| Customer display(Optional)   | 15.6" RGB TFT,1366*768 pixel, Aspect ratio:16:9, 1920*1080 pixel optional or 11.6" RGB TFT,1366*768/1920*1080 pixel, Aspect ratio:16:9 or 14" RGB TFT,1366*768, Aspect ratio:16:9 or 8 segment LED display,show Price/Total/Collect/Change                             |
| Camera                       | Optional. 2 Mega, CMOS, 720P, LED light filling  |
| NFC carder reader(Optional)  | 13.56MHZ contactless, ISO/IEC14443A/B, ISO/IEC 15693, MIFARE and FeliCa specifications.(For Android OS)  |
| RFID card reader(Optional)   | 13.56MHZ contactless, meet standard of philips Mifare, ISO14443, ISO10536(For windows)   |
| Commucation module(Optional) | SIM card, meet almost all the telecom operator standard<br>Optional, 4G TDD-LTE, 4G FDD-LTE, 3G TD-SCDMA, 3G WCDMA, 3G CDMA EVDO, 2G CDMA, 2G GSM(use different module for different country/zone)<br>Wifi module: 2.4G IEEE802.11b/g/n compatible with wapi(optional) |

|   |  |
|---|--|
| Printer   | High speed thermal printer<br>Paper width: 58mm, printing speed: upto 5cm/s, 80mm(with auto cutter), speed up to 20cm/s can print text, image, bar code with setting size and font   |
| Scanner   | Optional, can add a scanner in the back screen side for QR payment   |
| Antenna   | Built-in high gain antenna   |
| Multi-media function  | High effient DSP processing, support mp3, mp4(4k); support picturer play up to 8000*8000 pixel   |
| "External interface (may vary for different product batch,OEM available)" | USB 3.0: 2 pc on plate, USB 2.0: 2 pc in side, SIM card slot: 1 pc<br>TF card slot(support upto 128GB) 1 pc<br>Rs232 serial port, standard DB 9 1pc, output 5V, 1A<br>Ethernet RJ45 port, 1 pcs, support TCP/IP HTTP protocol<br>RJ11, 2 pcs, 1 for password keypad, HDMI port, 1 pc<br>Earphone port, 1 pc, DC power socket(12V, 4A) 1 pc<br>DC switch 1 pc |
| Accessories   | DC power adaptor,input 100-240V, output, 12V, 4/7A   |
| ESD protection  | 12kv   |



58mm/s printing speed  
Bluetooth & Micro-USB  
communication  
Support to print 1D&2D barcode  
Windows & UBUNTU drivers  
2000mAh battery capacity(Optional)

»TS1001

Android desktop POS terminal



58mm printer



WIFI



DC charger



1D/2D  
scanner



|                                       |  |  |   |
|---------------------------------------|--|--|---|
| OS                                    | Android 11 os  | play music                             | Efficient DSP processing SD sound dual-channel output 2X3W support MP1/2/3,WMA,WAV,OGG, OGA,APE,FLAC,AAC,M4A,3GPP and other audio formats,variety of EQ mode,support lyrics synchronization and whole page lyrics display |
| 2D code reading software implantation | Based on Android 11 or higher  | Image                                  | Support JPG,JPEG,BMP,GIF,PNG,JFIF etc.formats of picture browsing, support the maximum resolution of 8000*8000  |
| CPU                                   | 1.8GHz,RK3566,ARM 64-bit 4-core A55 processor  | Video display                          | Supports hd 1080P AVI,MPG,MKV,RM,RMVB,MP4, MOV,VOB,DAT,FLV,TS,3GP,WEBM (VP8) and other formats for video playback.  |
| GPU                                   | Mali-G52 2EE<br>0.5 TOPS, Support INT8/INT16   | Headphone jack (optional)              | Double hole headphone socket with microphone head and earphone 1 group  |
| DDR                                   | DDR4 2GB   | communication module(optional)         | 4G/3G/2G<br>WIFI-IEEE802.11b/g/n Wapi compatibility(optional)<br>Ethernet interface (RJ45) Supports common protocols such as TCP/IP and HTTP  |
| EMMC                                  | EMMC 8GB Can be extended to 64GB   | High speed thermal printer             | High-speed thermal printer,Paper width:57MM, Printing speed:up to 5CM/SEC,Can print text, graphics,bar code,can choose a variety of font sizes  |
| 2DScanner moduel                      | 640X480Pixel , CMOS, 1.3 million pixel +LED backlight brightness adjustable<br>Camera Range 55X45MM<br>FIXED FOCAL LENGTH LENS | Battery ( choose one of three options) | Rechargeable18650 battery,7.4V 2000/5000/ 20000mah, overvoltage, low current protection   |
| LCD module                            | Color10.1 inch,resolution 1024X 600, widescreen 16:9<br>G+F Capacitive multi-touch screen                                      | Interfaces                             | 1* USB 2.0 HOST 1* USB 2.0 DEVICE<br>1* RS232serial port standard DB9<br>1* TF Card slot (Max 32GB )<br>1* HDMI 1* DC port (Input Current 9V;5A)<br>1* DC Power Button 1* MINI USB OTG                                    |
| Magnetic strip card reader (optional) | Support  |  |   |
| IC Card reader (optional)             | Contact IC card, support bank card and social security card  |  |   |
| NFC (optional)                        | contactless compliance PHILIPS MIFARE STANDARD standard,ISO14443,ISO10536 and ISO7816standards                                 |  |   |
| SIM                                   | Support  |  |   |

Android OS All-in-one  
2GB+8GB memory,16GB as optional  
Raised mechanical keyboard  
R58mm.80mm printer Optional  
Support 8-bit HD Numeric Customer  
Display

»TS-A1170  
Desktop POS Terminal



4G  
Network



58/80mm  
print



Online  
takeout  
orders



NFC



|                |  |                  |   |
|----------------|--|------------------|---|
| CPU            | RK3566 Quad-core Cortex-A55 up to 1.8GHz   | Display          | 7"LCD(1024*600)w.capacitive touch   |
| GPU            | ARMG52 2EE   | Printer          | 80mm thermal receipt printer,max. 160mm/s<br>58mm thermal receipt printer,max. 70mm/s     |
| RAM            | 2GB  | Dimension        | 330x299x105mm (LxWxH)   |
| ROM            | 8GB as standard,16GB as optional   | Environment      | Working temp.: -10 ~40<br>Storage temp.: -20 ~55<br>Humidity:20%~90%RH                    |
| O.S. Compliant | Android 11   | NFC              | Optional available  |
| IO Ports       | 1xPower Button,<br>1xDC Port.<br>1xCash Drawer,<br>1xCOM,4xUSB,<br>1xEthernet.<br>1xTF Card Slot,<br>1xSIM Card Slot (optional),<br>1x3.5mm Audio Port | Dallas Key       | Optional available  |
|                |  | Customer display | LED 8 Characters Digital Customer Display<br>LED 20 Characters Per Line,2 Lines Displayed |
|                |  | Power Adaptor    | Dc12V/7A  |



Android OS All-in-one  
2GB+8GB memory,16GB as optional  
R58mm.80mm printer Optional  
Support 8-bit HD Numeric Customer  
Display

»TS-A1190  
Desktop POS Terminal



4G  
Network



58/80mm  
print



Online  
takeout  
orders



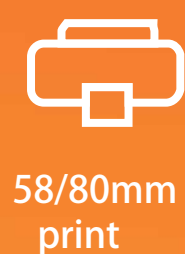
NFC



|                |  |                  |  |
|----------------|--|------------------|--|
| CPU            | RK3566 Quad-core Cortex-A55 up to 1.8GHz   | Display          | 10.1"LCD(1280*800)capacitivetouch                                      |
| GPU            | ARMG52 2EE   | Printer          | 80mm thermal receipt printer,max. 160mm/s                              |
| RAM            | 2GB  | Dimension        | 275x260x105mm (LxWxH)  |
| ROM            | 8GB as standard,16GB as optional   | Environment      | Working temp.: -10 ~40<br>Storage temp.: -20 ~55<br>Humidity:20%~90%RH |
| O.S. Compliant | Android 11   | NFC              | Optional available   |
| IO Ports       | 1xPower Button,<br>1xDC Port.<br>1xCash Drawer,<br>1xCOM,4xUSB,<br>1xEthernet.<br>1xTF Card Slot,<br>1xSIM Card Slot (optional),<br>1x3.5mm Audio Port | Dallas Key       | Optional available   |
|                |  | Customer display | Alphabet LCD/LED Numeric (optional)                                    |
|                |  | Power Adaptor    | Dc12V/7A   |

Android11 or windows Optional  
2GB+8GB memory,16GB as optional  
Raised mechanical keyboard  
R58mm.80mm printerOptional  
Support 8-bit HD Numeric Customer  
Display

»TS-A2180  
Desktop POS Terminal



|                |  |                  |  |
|----------------|--|------------------|--|
| CPU            | RK3566 Quad-core Cortex-A55 up to 1.8GHz   | Display          | 11.6"LCD(1920*1080)capacitive touch                                    |
| GPU            | ARMG52 2EE   | Printer          | 80mm thermal receipt printer,max. 160mm/s                              |
| RAM            | 2GB  | Dimension        | 310x300x105mm (LxWxH)  |
| ROM            | 8GB as standard,16GB as optional   | Environment      | Working temp.: -10 ~40<br>Storage temp.: -20 ~55<br>Humidity:20%~90%RH |
| O.S. Compliant | Android 11   | NFC              | Optional available   |
| IO Ports       | 1xPower Button,<br>1xDC Port.<br>1xCash Drawer,<br>1xCOM,4xUSB,<br>1xEthernet.<br>1xTF Card Slot,<br>1xSIM Card Slot (optional),<br>1x3.5mm Audio Port | Dallas Key       | Optional available   |
|                |  | Customer display | Color LCD/Alphabet LCD/LED Numeric(optionl)                            |
|                |  | Power Adaptor    | Dc12V/7A   |



Android11 or windows Optional  
2GB+8GB memory,16GB as optional  
Raised mechanical keyboard  
R58mm.80mm printerOptional  
Support 8-bit HD Numeric Customer  
Display

»TS-A3180  
Desktop POS Terminal



4G  
Network

58/80mm  
print

Online  
takeout  
orders

NFC



|                |  |                  |   |
|----------------|--|------------------|---|
| CPU            | RK3566 Quad-core Cortex-A55 up to 1.8GHz   | Display          | 15.6"LCD(1920*1080)capacitive touch                                     |
| GPU            | ARMG52 2EE   | Printer          | 80mm thermal receipt printer,max. 160mm/s                               |
| RAM            | 2GB  | Dimension        | 385x345x105mm (LxWxH)   |
| ROM            | 8GB as standard,16GB as optional   | Environment      | Working temp.: -10 ~-40<br>Storage temp.: -20 ~55<br>Humidity:20%~90%RH |
| O.S. Compliant | Android 11   | NFC              | Optional available  |
| IO Ports       | 1xPower Button,<br>1xDC Port.<br>1xCash Drawer,<br>1xCOM,4xUSB,<br>1xEthernet.<br>1xTF Card Slot,<br>1xSIM Card Slot (optional),<br>1x3.5mm Audio Port | Dallas Key       | Optional available  |
|                |  | Customer display | Color LCD/Alphabet LCD/LED Numeric(optional)                            |
|                |  | Power Adaptor    | Dc12V/7A  |

Windows & Android OS All-in-one  
2GB+16GB memory  
RFID,NFC is optional  
USB,RS232,RJ11,RJ45etc,multi interface

»TS150  
Desktop Thermal Printer



4G  
Network



NFC



Online  
takeout  
orders



|                                |   |  |  |
|--------------------------------|---|--|--|
| OS                             | Windows 7/ 10 / android 8.0/11 / Linux<br>windows : J1800/J1900/i3/i5/i7<br>android : RK3288/RK3568 | External interface<br>(may vary for<br>different product<br>batch,OEM available) | USB 3.0: 2 pc on plate, USB 2.0: 2 pc in side,<br>Ethernet RJ45 port, 1 pcs, support TCP/IP HTTP<br>protocol<br>HDMI port, 1 pc<br>DC power socket(12V, 4A) 1 pc |
| CPU                            | Intel J1900   | Accessories  | DC power adaptor,input 100-240V, output, 12V,<br>4/7A  |
| DDR                            | 2G /4G /8G  | Working<br>temperature   | -10~50   |
| Storage                        | 32G /64G /128G /256G /512G  | Storage<br>temperature   | -40~80   |
| Operation display              | capacitive multi-point touch, glass polishing<br>,waterproof,15.6" RGB TFT,1366*768 pixel           | Humidity   | 95% without sticky   |
| Customer display<br>(Optional) | 12" RGB TFT ADD USD32<br>or 15.6" RGB TFT ADD USD47   | ESD protection   | 12kv   |
| MSR/SCR<br>(Optional)          | ISO7811   |  |  |



Android OS All-in-one  
2GB+8GB Memory  
10.1inch Multi-touch screen  
WIFI,Bluetooth,Lan communication

»TS-1012  
Desktop POS Terminal



2D Barcode  
Recognition



Online  
takeout  
orders



Scanning for  
stock-taking



NFC



4G  
Network



|              |   |                   |  |
|--------------|---|-------------------|--|
| System       | Android 11  | Prompt mode       | Buzzer, LED indicator  |
| CPU          | RK3288 Quad-core 1.8GHz A17 processor   | Trigger mode      | Command trigger, automatic induction trigger, continuous trigger   |
| GPU          | Mali-T760   | Setting method    | Scan code setting, command setting   |
| RAM/ Storage | 2G/ 8G ( Extra 64G Storage Optional)  | Interface         | USB HID keyboard   |
| Display      | Size: 10.1inch<br>Resolution:1280*800<br>Type: Capacitive   | Recognition angle | Rotation 360° , left and right tilt ±45° , front and back tilt ±45° , recognition accuracy >5mil   |
| Speaker      | Built-in 2W speaker   | Reading code      | 1D: Code128、Code39、EAN、UPC、Code93、ISBN-13、Interleaved 2 of 5<br>1D: Code 128s EAN-13、EAN-8、UPC-E、UPC-A、ISBN、ISSN、Code11、ITF-25 (Interleaved 2 Of 5)、Code39、Code93、Code32、Codabar、Matrix 2 of 5, Industrial 25s IATA 25s MSI Plessey<br>2D: QR Code |
| WIFI         | IEEE 802.11b/g/n  |                   |  |
| Bluetooth    | Bluetooth2.1+EDR/3.0/4.0/4.1/4.2 BLE  |                   |  |
| Ethernet     | 10/1 OOM adaptive   |                   |  |
| Ports        | 1* SIM Card slot(optional)<br>1*TF Card slot<br>1* 3.5mm Jack<br>1* Power port<br>1* RJ12 6P6C cash drawer<br>1* RJ11 6P4C com<br>4* USB 2.0 TypeA<br>1* RJ45 LAN |                   |  |

Android OS All-in-one  
10.1inch Multi-touch screen  
2GB+8GB Memory  
Printer & Scanner is available  
WIFI,Bluetooth,Lan communication

» **ZN-100**  
Desktop POS Terminal



4G  
Network



Sacnning for  
stock-taking



2D Barcode  
Recognition



Online  
takeout  
orders



NFC



|                |  |
|----------------|--|
| System         | Android 11   |
| CPU            | RK3288 Quad-core 1.8GHz  |
| RAM            | 2G   |
| ROM            | 8G ( Extra 64G Storage Optional)   |
| Main display   | 10.1 inch TFT LCD 800*1280   |
| Touch screen   | 10.1 inch capacitive touch panel   |
| Printer        | Printing method: thermal printer<br>Speed: 75mm/sMax.<br>Paper roll: 57.5±0.5mm<br>Roll diameter: 50mm<br>Tear method:Manual<br>Sensor: Paper out<br>Page code: ANK, Simplified Chinese(GB2312)<br>ID barcode: JAN13 (EAN13)、JAN8 (EAN8)<br>CODE39、CODE128<br>2D barcode: QR<br>Printer life: 100,000,000 Pulses, 50km |
| Communications | WIFI:IEEE802.11b/g/n<br>Bluetooth: BT2.1+EDR/3.0/4.0/4.1/4.2 BLE<br>Ethernet: 10/100M adjustable   |
| Speaker        | Built-in 3W  |

|             |  |
|-------------|--|
| Scanner     | Light source: Red LED<br>Scan speed: 2m/s<br>Resolution: 640*480<br>Scan angle: 70° (Skew), 80° (Pitch), 360° (ro-tated)<br>Interface: USB<br>FOV: 47° (Horizontal), 38° (Vertical)<br>Decoding Capability: Aztec Codabar、Code 39<br>UPC/EANX Code 128/EAN128、<br>Interleaved 2 of 5x PDF417、DataMatrix、<br>QRcode |
| Power       | DC2.5 12V/5A   |
| I/O ports   | 1* DC 12V in<br>1* RJ12 6P6C cash drawer port<br>1* RJ11 6P4C serial port<br>4* USB 2.0 TypeA<br>1* TF card slot; 1*3.5mm headphone port<br>1* RJ45 LAN ; 1*SIM (Optional)   |
| Dimension   | 199*170*350mm  |
| Weight      | Net weight:1.66 kg; Gross weight: 2.90 kg  |
| Environment | Working: -10° C-40° C<br>Storage: -20° C-55° C<br>Humidity: 20%-90%RH  |



Android OS All-in-one  
11.6inch Multi-touch screen  
58mm printer is optional  
USB,RJ11,RJ45,RS232 multi interface

»TS-116  
Desktop POS Terminal



58mm Printer



Online  
takeout  
orders



Sacnning for  
stock-taking



NFC



4G  
Network



|                             |   |
|-----------------------------|---|
| Operation System            | Android 7.1   |
| Application CPU             | RK3399,Dual-core cortex-A72 up to 1.8GHz  |
| DDR                         | DDR3 2G   |
| Storage                     | 8G  |
| Operation display           | G+G capacitive multi-point touch, glass polishing,waterproof<br>11.6" IPS RGB TFT,1366*768 pixel, Aspect ratio:16:9; 1920*1080 pixel optional   |
| Customer display            | TS116A:11.6" IPS RGB TFT,1366*768 pixel, Aspect ratio:16:9; 1920*1080 pixel optional<br>TS116B: 8 bit segment LED display,show Price/Total/Collect/Change   |
| NFC carder reader(Optional) | 13.56MHZ contactless, ISO/IEC14443A/B, ISO/IEC 15693, MIFARE and FeliCa specifications.(For Android OS)   |
| RFID card reader(Optional)  | 13.56MHZ contactless, meet standard of philips Mifare, ISO14443, ISO10536(For windows)  |
| Commucation module          | SIM card, meet almost all the telecom operator standard<br>Optional,3Gmoule,850/900/1800/1900MHz, WCDMA/HSDPA/EDGE/GPRS, 4G/LTE<br>Wifi module: IEEE802.11b/g/n compatible with wapi(optional)<br>Bluetooth:support 2.0+EDR, 3.0, 4.0<br>lbeacon: wechat shake(Optional)<br>Ethernet(RJ45), support TCP/IP HTTP protocols |

|   |  |
|---|--|
| Printer   | High speed thermal printer, Paper width: 58mm, printing speed: upto 5cm/s can print text, image, bar code with setting size and font   |
| Antenna   | Built-in high gain antenna   |
| Multi-media function  | High effient DSP processing, support mp3, mp4(4k); support picturer play up to 8000*8000 pixel   |
| "External interface (may vary for different product batch,OEM available)" | USB x 4 (2 in the front, 2 on plate), mini USB OTG x 1 (only for RK3288)<br>TF card slot(support upto 32GB) 1 pc<br>SIM card slot, 1 pc<br>Rs232 serial port, standard DB9 1pc,<br>Ethernet RJ45 port, 1 pcs, support TCP/IP HTTP protocol<br>RJ11, 1 pcs, connect password keypad<br>Earphone port, 1 pc, Microphone port 1 pc<br>DC power socket(12V, 4A) 1 pc<br>DC switch 1 pc |
| Accessories   | DC power adaptor,input 100-240V, output, 12V, 4A   |
| Working tempera-ture  | -10℃~50℃   |
| Storage temperature   | -40℃~80℃   |
| Humidty   | 95% without sticky   |
| ESD protection  | 12kv   |
| Camera  | Optional. 1 Mega, CMOS, 720P, LED light filling  |

Android OS All-in-one  
7.0inch Multi-touch screen  
WIFI,Bluetooth,Lan communication  
80mm Auto-cutter printer  
USB,RJ11,RS232 interface

» TS-P733  
Desktop POS Terminal



80mm Printer



Online  
takeout  
orders



Sacnning for  
stock-taking



4G  
Network



|                       |  |                      |  |
|-----------------------|--|----------------------|--|
| OS                    | Android 7.1 os   | Support              | Without paper alarm, black mark location, label location overheat protection, open and close cover alarm |
| Screen                | 7 inch touch screen  | Power supply         | DC24V±10%, 2.5A, DC005-2.5 adapter   |
| Communication         | 4G, WIFI, Bluetooth  | Paper type           | Normal thermal paper   |
| Camera                | 5M   | Paper thickness      | 0.06-0.08mm (thermal paper)  |
| Printing method       | Line thermal printing                                      | Paper packing        | Manual paper   |
| Resolution            | 8d ots/m m , 576d ot /1 i n e                              | Cutting way          | Automatic paper cutting (half cut/full cut optional)   |
| Printing speed        | MAX: 150mm/s   | Dimensions           | 220 mm X141 mm X142 mm (LX W X H)  |
| Effective print width | 72mm (MAX)   | Weight               | 1180g  |
| Paper Width           | 79.5±0.5mm   | Working environ-ment | 0~50° C (temperature) /10~80% (humidity)   |
| Character set         | GB18030: ANK; Code Paper Bigs                              | Storage environment  | 20~60° C (temperature) /10~90% (humidity)  |
| Barcode &QR Code      | Support  | Printer head life    | 100KM  |
| Interface             | Type(A, B)USB、 Serial/Ethernet/Cash drawer/Audio Frequency | Cutting life         | 1,000 000 times  |



IC ,MSR card reader  
Certified PCI,EMV,PBOC,China  
Union Pay  
Bluetooth communication

»TS-MP45  
Mobile Card Reader



Battery



Handheld  
ordering



Mobile  
checkout



NFC



|                           |  |                 |  |
|---------------------------|--|-----------------|--|
| CPU                       | 32-bits high-performance security processor                                      | Power & Battery | "250mAh    Standby time: 150hs<br>Built-in Rechargeable lithium ion battery, Battery lasts for more than 500 transactions by Magnetic Stripe Card and IC card" |
| Memory                    | RAM 1 GB   | Indicator       | LED status indicator   |
| Display                   | 128*64 lattice LCD display.  | Buzzer          | Built-in buzzer; Transaction Alert   |
| Buttons                   | 10 numerical buttons, 4 functional buttons, Power On/Off button;                 | Dimension       | 111mm*60mm*12mm ;  |
| Magnetic Card reader      | Support for Track 2 & 3, Triple track (optional)                                 | Weight          | 68g  |
| IC Card reader            | Support for ID-1 IC Card Reader, Capability of 1.8V/3V/5V Card                   | Certifications  | "PCI-PTS TERMINAL V4.1 EMV L1 & L2, PBOC 3.0 L1 & L2, Support China Union Pay electronic signature CE、FCC"   |
| "Contactless Card Reader" | Supports for 13.56MHz contactless IC Card, ISO14443 TYPE A/TYPE B Card, M1 card. |                 |  |
| Peripheral Ports          | Micro-USB, IC Card Slot, Magnetic Stripe Card Slot, PSAM Slot (Optional)         |                 |  |
| Communication interface   | Communication: Bluetooth 3.0/4.0, Sleep Mode, Low Power Mode;                    |                 |  |

IC ,MSR card reader  
Certifide EMV L1&L2,PBOC L1&L2  
Bluetooth communication

»TS-SR50  
Mobile Card Peadr



Mobile  
checkout



Handheld  
ordering



NFC



4G  
Network



|                                      |  |                  |  |
|--------------------------------------|--|------------------|--|
| CPU                                  | 32-bits high-performance security proces-<br>sor                                 | Power &. Battery | Built-in Rechargeable Lithium ion Battery                                |
| Magnetic card<br>reader (optional)   | Track 2/3, Triple Track  | Indicators       | 2xLED indicators (red and blue), status indicator                        |
| IC card reader                       | Support for ID-1 IC Card Reader, Capability<br>of 3V/5V Card                     | Dimension        | 65mm*52mm*14.8mm   |
| Contactless reader<br>card(optional) | Support for 13.56 MHz contactless IC<br>card,ISO14443 TYPE A/TYPE B card,M1 card | Certifications   | EMVL1&L2,PBOC 3.0 L1 &L2,Support China<br>Union Pay electronic signature |
| Peripheral Ports                     | Micro-USB, IC Card Slot, Magnetic Stripe<br>Card Slot                            |                  |  |
| Communication<br>interface           | Bluetooth 3.0/4.0, Low power consump-<br>tion, a switched-mode power supply      |                  |  |

Support Windows OS, Android OS is optional.  
15.6inch capacitive multi-point touch screen  
58mm thermal printer  
Support 1D & 2D scanner  
Support Wifi USB, Lan, Uart interface

» **TSW1**  
Stable cashier printing machine



58mm printer



WIFI



DC charger



1D/2D scanner



|                   |                                     |                       |   |
|-------------------|-------------------------------------|-----------------------|---|
| Operating System  | Windows (optional Android)          | Interface             | DC:1 * DC Power Input<br>USB:2.0*4 /3.0*2<br>LAN:1Ethernet(RJ45)<br>support TCP/IP HTTP protocols<br>UART:1*COM(DB9)(2*COM optional)<br>VGA:1*VGA(DB15)<br>Audio:Support MIC/Line-out Ports |
| CPU               | J1900, Intel Core I3, Intel Core I5 | Power Supply          | Input:100-240VAC. Output:DC12V5A  |
| Memory            | DDR:2GB/4GB/8GB                     | Operating Temperature | 0°C to 40°C   |
| Storage           | SSD: 32GB/64GB/128GB/256GB          | Colour                | white/black   |
| Communications    | WiFi 802.11b/g/n, Ethernet          | Weight                | 14KG  |
| Main Display      | 15.6" LCD, 1366*768 or above        | Dimensions(mm)        | 550*400*360mm   |
| Customer display  | 11.6",1366*768 or above(Optional)   |                       |   |
| Touch Screen Type | capacitive multi-point touch        |                       |   |
| Printer           | 58mm thermal printer                |                       |   |
| Range             | 6kg/15kg                            |                       |   |
| Division Value    | 2g/5g                               |                       |   |



58mm/s printing speed  
Bluetooth & Micro-USB  
communication  
Support to print 1D&2D barcode  
Windows & UBUNTU drivers  
2000mAh battery capacity

»TSW2  
All-in-one electronic scale



58mm printer



WIFI



DC charger



1D/2D  
scanner



|                   |                                     |                       |   |
|-------------------|-------------------------------------|-----------------------|---|
| Operating System  | Windows (optional Android)          | Interface             | DC:1 * DC Power Input<br>USB:2.0*4 /3.0*2<br>LAN:1Ethernet(RJ45)<br>support TCP/IP HTTP protocols<br>UART:1*COM(DB9)(2*COM optional)<br>VGA:1*VGA(DB15)<br>Audio:Support MIC/Line-out Ports |
| CPU               | J1900, Intel Core I3, Intel Core I5 | Power Supply          | Input:100-240VAC. Output:DC12V5A  |
| Memory            | DDR:2GB/4GB/8GB                     | Operating Temperature | 0°C to 40°C   |
| Storage           | SSD: 32GB/64GB/128GB/256GB          | Colour                | white/black   |
| Communications    | WiFi 802.11b/g/n, Ethernet          | Weight                | 19KG  |
| Main Display      | 15.6" LCD, 1366*768 or above        | Dimensions(mm)        | 540*400*390mm   |
| Customer display  | 11.6",1366*768 or above(Optional)   |                       |   |
| Touch Screen Type | capacitive multi-point touch        |                       |   |
| Printer           | 58mm thermal printer                |                       |   |
| Range             | 6kg/15kg                            |                       |   |
| Division Value    | 2g/5g                               |                       |   |

IP67 waterproof & dustproof level  
Multi decoding type  
Zebra SE4710 barcode scanner is optional  
NFC & FRID are available  
WIFI, 4G, Bluetooth, GPS are available  
13MP camera  
5100mAh large battery capacity

»TS502  
Industrial data acquisition terminal



Bluetooth



Camera



Battery



1D/2D  
scanning



AC charger



5.5" screen



|                  |  |
|------------------|--|
| CPU              | Octa-core ARM@CORTEX A53<br>MPcore 2.0 GHz   |
| RAM+ROM          | 4GB+64GB   |
| O.S.             | Android 9.0  |
| SDK              | Terminal development tool  |
| Development tool | Eclipse/Android Studio   |
| Humidity         | 5%RH~95%RH(Non-condensing)   |
| Drop test        | Within operating range, 6 sides<br>withstand 1.5 meter drop test   |
| ESD protection   | ±15 KV air discharge, ±8 KV<br>contact discharge   |
| Rolling test     | Rolling up to 1000 times 0.25<br>meters,6 surface contact surfaces<br>still running steadily after rolling,<br>reaching IEC rolling standard |
| IP level         | IP67(Meet IEC sealing standard)  |
| WLAN             | 2.4G/5G dual-band,Support 802.<br>11 a/b/g/n/ac/IPV4,IPV6;   |
| WWAN             | 2G: 850/900/1800/1900MHz<br>3G: CDMA EVDO: BC0<br>WCDMA:850/900/1900/2100MHz<br>4G:B1/B3/B5/B7/B8/B20/B38/<br>B39/B40/B41                    |
| Camera           | 13MP camera  |

|                   |   |
|-------------------|---|
| Vo-LTE            | Support Vo-LTE HD voice video call  |
| Bluetooth         | Bleutooth 5.0   |
| GNSS              | Support GPS/Beidou/Glonass/AGPS   |
| Scan pixels       | 1280*800  |
| Decoding type     | QR Code, Data Matrix, PDF417, Han<br>letter code in line with international<br>and domestic generic 1D code<br>standards:UPC-A/E,EAN-8/13,ISBN,<br>Code 128,GS1 128,ISBT 128,<br>Code39/93/11, Interleaved<br>2 of 5, Industrial 2 of 5, Matrix25,<br>Standard25,Code bar MSI/<br>MSIPLESSEY,GS1 Data Bar,DPM, etc. |
| Working frequency | 13.56MHZ  |
| Communication     | ISO14443A/B,ISO15693,NFC-IP1,<br>NFC-IP2 and etc.   |
| NFC standard      | M1(S50,S70),CPU card, NFC tag etc.  |
| Keypad            | 1Power key,1 scan key,2 volume<br>key,1 custom key  |
| Battery           | 5100mAh rechargeable lithium<br>polymer battery,Stand by time>300h<br>Working time>12h,Charging time: 4h  |
| Display           | 5.5inch(18:9) High Resolution<br>IPS LTPS 1280*720  |
| Touch Screen      | Corning Gorilla Glass(High durability)  |

8inch rugged industrial tablet.  
IP65 waterproof & dustproof level.  
NFC is available.  
Fingerprint & UHF RFID are optional.  
WIFI,4G,Bluetooth,GPS are available.  
2GB+16GB memory.  
10000mAh large battery capacity.

»PT805  
Industrial tablet



Bluetooth



Camera



Battery



1D/2D  
scanning



AC charger



|              |   |                |  |
|--------------|---|----------------|--|
| Processor    | ARM Cortex A53 Quad-core1.4GHz  | Mobile Network | 3G:WCDMA:850/900/1900/2100MHz, CDMA/EVDO 800MHz<br>GSM:850/900/1800/1900MHz<br>4G:LTE-FDD:B1/B3/B7/B8/B28<br>LTE-TDD:B38/B39/B40/B41 |
| O.S          | Android 7.0   |                |  |
| Memory       | 2GB ROM+16GB RAM  |                |  |
| Ex-Storage   | Micro SD (Up to 64GB)   | Wi-Fi          | IEEE 802.11 b/g/n  |
| Display      | 8.0 inch IPS 1280x800 pixs  | Bluetooth      | Bluetooth 4.0  |
| Camera       | Front:AF 2.0M Pixels autofocus with LED flash light<br>Back:AF 5.0M Pixels autofocus with LED flash light | GPS            | Support GPS/AGPS   |
|              |   | Develop Tools  | Android SDK + JDK + Eclipse  |
|              |   | P-Language     | Java   |
| Touch Panel  | Industrial-grade capacitive touch panel   | Sealing        | IP65   |
| Keypad       | Power button, volume button   | Protocol       | ISO/IEC 14443A/B,ISO15693  |
| Notification | Vibrator/LED/Speaker  | Frequency      | 13.56MHz   |
| Battery      | 3.7v 10000mAh rechargeable lithium polymer battery  | Card type      | Type1-4Tag/Mifare/Felica   |
| Audio        | Built-in microphone   | Sensor         | Optical Biometric  |
| Sensor       | G-sensor  | Frequency      | 902Mhz-928Mhz,865MHz-868MHz (optional)   |
| Interface    | Micro USB/Extend Serial Port/ Audio port  | Protocol       | EPC global UHF Class 1 Gen 2/ISO 18000-6C  |
|              |   | Capture Range  | 1-2m   |



10.1inch rugged industrial tablet.  
IP67 waterproof & dustproof level.  
NFC & RFID are available.  
Newland N1 2D scanner is optional.  
WiFi,4G,Bluetooth,video voice call are available,  
4GB+64GB memory.  
10000mAh large battery capacity.

»PT1002

Multi-function tablet



Bluetooth



Camera



Battery



1D/2D  
scanning



AC charger



|                          |   |
|--------------------------|---|
| CPU                      | Cortex-a53 octa core 64 bit 2.0GHz high performance processor   |
| RAM+ROM                  | 4GB+64GB  |
| O.S                      | Android 9.0(64 bit)   |
| SDK                      | Android SDK + JDK + Eclipse   |
| Develop Tools            | Eclipse/Android Studio  |
| Drop specification       | Within the scope of operation,6 sides are subjected to the impact of 1.5m falling to the concrete ± 15 kV air discharge, ± 8 kV |
| Electrostatic Protection | contact discharge   |
| Rolling Test             | After1000 rolling times and 0.25m, the six contact surfaces still run stably,reaching IEC rolling specifications                |
| Sealing                  | IP67, up to IEC sealing standard  |
| WLAN                     | 2.4g/5g dual band,support 802. IPv4,IPv6;   |
| WWAN                     | 2G: 850/900/1800/1900MHz<br>3G: CDMA EVDO: BC0<br>WCDMA850/900/1900/2100MHz<br>4G:B1/3/5/7/8/20/38/39/40/41                     |
| Vo-LTE                   | Support VO LTE HD video voice call  |

|                 |   |
|-----------------|---|
| Bluetooth       | Bluetooth 4.1   |
| GNSS            | GPS/BEIDOU/GLONASS A-GPS  |
| Frequency       | 13.56 MHz   |
| Protocol        | ISO14443A/B/15693,NFC-IP1/IP2   |
| Tag standard    | M1(S50,S70),CPU card,NFC  |
| Scanning engine | Support scan ning 1D or 2D code   |
| 1D              | UPC/EAN,Code129/39,codabar,MSI  |
| 2D              | QR,PDF417,Mirco QR,RSS,Aztec, Maxicode.   |
| Frequency       | 902-928MHz or 865-868MHz  |
| Read distance   | 1-3M  |
| Battery         | 10000mAh rechargeable lithium polymer battery(removable)<br>Standby time>500h<br>Working time>12h,Charger time 3h |
| Display         | 10.1 inch IPS 1280x800 pixs<br>Optional 1920*1200 FHD Screen  |
| Touch Panel     | G+G glass,support multi touch, support glove or wet hand operation  |
| Sensor          | G-sensor,Vibrating motor  |
| Camera          | Front:AF 2.0M Pixels autotocus with LED flash light<br>Back:AF 8.0M Pixels autofocus with LED flash light         |