

CS50

Payment POS for High performance scenarios
Android 11 based Safe OS



Highlights

- 1.8GHz Quad-Core ARM Cortex-A53;
- GMS certified Android 11.0 Safedroid OS;
- Massive memory: 2GB RAM + 16GB ROM;
- 6.0 inch TFT IPS LCD, resolution 1440*720;
- Full bands for global coverage: 4G/3G/2G, WLAN, Bluetooth 5.0, VPN;
- Dual cameras & Symbol 2D scanner for comprehensive scanning scenarios;
- 58mm thermal receipt printing;
- One-stop payment of MSR/ICCR/NFC, with PCI PTS 6.X, EMV L1&L2, Paypass, Paywave, Amex and TQM certified

Specifications

Basic Characteristics	OS	Safedroid OS (based on Android 11.0)
	CPU	1.8GHz Quad-Core ARM Cortex-A53
	ROM	16GB ROM EMMC
	RAM	2GB RAM LPDDR
	Display	6.0 inch TFT IPS LCD, resolution 1440*720
	Panel	Ultra sensitive capacitive touch screen, can work with gloves and wet fingers
	Dimensions	224mm X 84mm X 18mm (max 51mm)
	Weight	410g (Battery included)
	Keys	Physical keys: Power on/off, Volume + /-, Scan
	Input	Chinese/English, and supports handwriting and soft keyboard
Radio Communication	WIFI	IEEE 802.11 a/b/g/n/ac, support 2.4GHz and 5GHz
	Bluetooth	BT 5.0 and earlier
	4G	European version(Default): FDD-LTE: B1/B3/B7/B8/B20/B28 TDD-LTE: B38/B40/B41
	3G	European version(Default): WCDMA: B1/B8
	2G	European version(Default): GSM/GPRS/EDGE: 900/1800MHz
Payment	Magcard reader	Supports ISO7811/7812/7813, and supports triple track (tracks 1/2/3), bi-directional
	Smart Card reader	Supports ISO7816 standard
	Contactless Card reader	Supports 14443A/ 14443B
Expansion and peripherals	Printer	High-Speed Thermal Printer; 58mm printing paper ; 40mm paper roll
	Rear Camera	5MP camera with LED flash and auto-focus function
	Satellite Positioning	Support GPS(A-GPS)/ Bei-Dou/ Glonass or Galileo
	LEDS	3 colors are used to indicate
	Audio	Speaker, Microphone, Buzzer
Interfaces	Micro SD Card Slot	1 Pcs support up to 128GB
	SIM Card Slot	1 Pcs Micro SIM
	PSAM Card Slot	2 Pcs Conforms to ISO7816 standard
	USB Port	1 Pcs Type C USB
Power	Battery	Li-ion battery, 7.6V/2600mAh
	Charging Port	Type C USB Port, 5V DC/2A
Environment	Operating Temperature	-10°C to 50°C
	Storage Temperature	-20°C to 70°C
	Humidity	5% to 95% Relative Humidity, Non-Condensing
Certification	Electromagnetic	CE, RoHS, FCC

	Payment	PCI PTS 6.X, EMV L1&L2, Paypass, Paywave, Amex, TQM
Optional	Fingerprint	Semiconductor capacitance, 18mm x 12.8mm imaging area 256 x 360 pixel array, Crossmatch FBI certified 508dpi
	Fiscal Module	Russian Format
	Barcode Scanner	Symbol 4710 2D Image Engine, Support 1D and 2D symbologies
	USB HUB	2USB+RJ45

Ciontek Technology Corp.

Disclaimer: This product specification is subject to change without prior notice. In addition, images shown throughout this brochure are for illustrative purposes only and may differ from the actual product.

FCC Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Specific Absorption Rate (SAR) information:

This Smart POS Payment Terminal meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: Smart POS Payment Terminal has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the phone kept 10mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 10mm separation distance between the user's body and the back of the phone. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.