

Mobile Smart POS CS20

1st Qualcomm Octa-Core POS, Fits in Your Pocket Perfectly.



Highlights

- Qualcomm Octa-Core ARM Cortex-A53 1.8GHz;
- Safedroid OS (based on Android 10.0);
- Massive memory: 2G RAM + 16G ROM;
- 5.7 inch TFT IPS LCD, resolution 1440*720;
- Full bands for global coverage: 4G/3G/2G, WLAN, Bluetooth, VPN;
- Dual camera for quickly QR code scan & Symbol 2D scanner as option;
- The grand 3.8V/3500mAH battery + extraordinary power management design ensures a full day duration;
- One-stop payment of MSR/ICCR/NFC,with PCI PTS 6.X, EMV L1&L2,Paypass,Paywave,Amex,TQM certified.
- NFC for full scenarios such as transportation, logistic, and ID control.

Specifications

Basic Characteristics	OS	Safedroid OS (based on Android 10.0)
	CPU	Qualcomm Octa-Core ARM Cortex-A53 1.8GHz
	ROM	16GB ROM EMMC
	RAM	2G RAM LPDDR3
	Display	5.7 inch TFT IPS LCD, resolution 1440*720
	Panel	Ultra sensitive capacitive touch screen, can work with gloves and wet fingers
	Dimensions	163mmX77mmX17.5mm (max 21.8mm)
	Weight	300g (Battery included)
	Keys	Physical keys: Power on/off, Volume + /-, Scan1/ Scan2
	Input	Chinese/English, and supports handwriting and soft keyboard
Radio Communication	WIFI	IEEE 802.11 a/b/g/n, support dual Band 2.4GHZ and 5GHZ
	Bluetooth	BT 4.2 LE and earlier
	4G	European version(Default): FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B20/B28 TDD-LTE: B38/B39/B40/B41 American version(Optional): FDD-LTE: B2/B4/B5/B12/B13/B17/B25/B26 TDD-LTE: B38/B40/B41
	3G	European version(Default): WCDMA: B1/B2/B4/B5/B8 TD-SCDMA: B34/B39 American version(Optional): WCDMA: B2/B4/B5
2G	GSM/GPRS/EDGE: 850/900/1800/1900MHZ	
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	Camera	5MP camera with LED flash and auto-focus function
	Satellite Positioning	Support GPS(A-GPS)/ Bei-Dou/ Glonass or Galileo
	Sensor	G-Sensor
	LEDS	3PCS for indicate
	Audio	Speaker, Buzzer, Microphone
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	1PCS TYPE C USB

Power	Battery	Li-ion battery, 3.8V/3500mAH
	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	(Extended support on the charging cradle)
	Printer	High-Speed Thermal Printer(Extended support on the charging cradle)
	ESIM Card	support
	Sensor	ALS-Sensor, PS-Sensor
	Audio	Receiver
	Front camera	2 Megapixel Fixed Focal Camera
	Barcode Scanner	Symbol 4710 2D Image Engine, Support 1D and 2D symbologies

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.

To assure continued compliance, any changes or modifications not expressly approved by the party. Responsible for compliance could void the user's authority to operate this equipment.

(Example use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

Specific Absorption Rate (SAR) information:

This Communicator 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: Communicator has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the phone kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain an 0mm 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.

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.