

P8 Industrial Tablet



Industrial and Humanized Hardware Design

Industrial&humanized hardware design and tough 8 inch touch screen together with high resolution of 1200*800 display together with 10 points multi-touch, support glove and wet hands operation

Octa-Core Processor&Large Memory

Equipped with Qualcomm QCM4290 8-core 2.0GHz and Android 13 OS with memory of 6GB RAM/128GB ROM, shall provide the highly standard experience

Superior Data Communication and Security Guarantee

Superior wireless connection and dual band WIFI shall provide the high speed data communication and perfect security guarantee;

Use environment



SPECIFICATIONS	
PHYSICAL CHARACTERISTICS	
Dimension	235mm*146mm*14.5mm
Weight	610g (including battery&wrist strap)
Display	8"IPS 1280 x 800 FHD 800nits (typ)
Touching Panel	10-point touch, supports glove and wet hand operation.
Expansions	1*Type-C (Charging & Data USB2.0 OTG), 1 * Nano - SIM Card Slot, 1 * Micro SD : (max 256 GB expansion), 7 3.5mm headphone jack, pins pogo pin for charging 5V2A,
Battery	Li-ion 3.8V 8200mAh (31.92Wh/removable), with QC3.0 18W charging
Color/Material	Hard glue (dark gray) + soft glue (black) @ two-color injection molding
Buttons	1 *power button, 2 *volume buttons, 2* custom buttons, 1* return button, 1 *Home button, 1 *menu button
PERFORMANCE CHARACTERISTICS	
CPU	Qualcomm QCM4290 8-core 2.0GHz
Operating System	Android 13
Storage	6GB RAM/128GB ROM
Sensor	L-sensor, G-sensor, Gyroscope, E-compass
Speaker	Standard built-in x1
Mic	Built-in*2 (supports noise reduction)
USER ENVIRONMENT	
Operating Temp.	-20 °C ~ +60 °C
Storage Temp.	-40 °C ~ +70 °C
Humidity	5%RH to 95%RH (non-condensing)
Drop Specifications	1.2 m drop to concrete across the operating temperature range
Rugged Feature	IP67, MIL-STD-810H certified
ESD	±12kv air discharge, ±8kv direct discharge
DEVELOPMENT ENVIRONMENT	
SDK	RuggedTrust Software Development Kit
Language	Java
Environment	Android Studio or Eclipse
DATA COMMUNICATION	
WWAN	4G: FDD-LTE : B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B25/B28(b)/B66 TDD: B38/39/40/41 3G: B1/B2/B5/B8 2G: 850/900/1800/1900
WLAN	IEEE 802.11 a/b/g/n/ac/e/i/r (Dual Band 2.4 & 5GHz)
WPAN	BT 5.1 BLE
GNSS	Beidou /GPS /GLONASS/Galileo
DATA CAPTUEER	

BARCODE READER(OPTIONAL)		
2D Barcode	2D CMOS Imager	Honeywell N3680
	Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes, US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal. etc.
COLOR CAMERA		
Resolution	Rear camera 16MP, autofocus with dual LED flash, Front camera 8MP, FF	
Lens	Auto-focus with LED flash	
RFID READER		
RFID NFC	Frequency	13.56MHz
	Protocol	ISO 14443A&15693, NFC-IP1, NFC-IP2
	R/W Range	2cm to 5cm
ACCESSORIES		
Standard	1xPower Supply; 1xLithium Polymer Battery; 1xType-C cable	
Optional	Capacitive stylus, docking station, handstrap, battery charger, vehicle cradle, high-precision position module;	