



Rugged Tablet X- 80

Versatile Overall Mobile Solution

SCANTECH ID[®]
CHAMPTEK Group

Product specification

Performance	Model	X-80
	O.S	Android 9.0
	Processor	Octa-core Cortex-A53, 1.8 GHz
	Memory	RAM:4 GB ROM: 64GB RAM : 2GB ROM : 16GB (optional)
	Extended memory	Micro SD card, up to 256GB
Basic specifications	Model	X-80
	Dimensions	253.8*146*16.5mm
	Weight	728.5g
	Display	8 inch display, 1920×1200 (FHD) 8 inch display, 1280×800(HD) (optional) 8 inch electromagnetic display , 1920×1200 (FHD) (optional)
	Touch Screen	Capacitive: at least five touch , support gloves touch (thickness 3.5mm) , wet finger and passive stylus signature electromagnetic display (optional) : at least five touch , support gloves touch (thickness 3.5mm) , wet finger and passive stylus signature
	Main battery	Capacity : 3.8V 8400mAh Battery life: 8-10 hours (depends on environment and use case)
	Charging time	< 4 hours (with QC3.0 adapter)
	Audio	Dual Speakers , Dual Microphones , Earphone
	Buttons	Volume+/- , Power , Scan button , P1-P8 function Key (No fingerprint) Volume+/- , Power , Scan button (with fingerprint)
	Camera	Front 5M Pixels , Rear 13M Pixels , Flashlight
	Sensors	Light + accelerator + Geomagnetic + Gyro (optional)
	Fingerprint	Fingerprint verification (optional)
	Wireless communication	Scanning
Slots		Micro SD/TF ×1 , Nano-SIM×2 , PSAM×1 (optional)
WAN		Dual-SIM ,Dual-Standby 4G, 3G, 2G
Bluetooth		BT4.2+BR/EDR+BLE
Wireless communication	WIFI	2.4G/5G , IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v Roaming : 802.11r/OKC/PMKID caching
	Positioning	GPS、 A-GPS、 Beidou , GLONASS , Galileo RTK High-precision (optional)

Environment	Temperature	-20°C~+60°C
	Storage	-40°C~+70°C
	Humidity	5%RH~95%RH (No condensation)
	Drop test	1.2M
	Seal	IP54 (with fingerprint) IP67 (without fingerprint)
	ESD	Air±15KV, Contact±8KV

Data Capture Specifications

1) Camera

Camera	Rear
Functions	Flashlight , Auto-focus, Video
Pixels	13MP
Camera	Front
Pixels	5MP , Fixed focus

2) Scanner Engine

Option 1	Zebra SE4710
Scan Angels Tilt	360°
Scan Angels Pitch	±60°
Scan Angels Skew	±60°
Barcodes support	UPC/EAN, Bookland EAN, UCC Coupon Code, ISSN EAN, Code 128, GS1-128, ISBT 128, Code 39, Trioptic Code 39, Code 32, Code 93, Code 11, Interleaved 2 of 5, Discrete 2 of 5, Codabar, MSI, Chinese 2 of 5, Korean 3 of 5, Matrix 2 of 5, Inverse 1D, GS1 DataBar, Composite Codes, PDF417, MicroPDF417, DataMatrix, Data Matrix Inverse, Maxicode, QRcode, MicroQR, QR Inverse, Aztec, Aztec Inverse, Han Xin, Han Xin Inverse, Postal Codes, US Postnet, US Planet, UK Postal, Japan Postal, Australian Postal, Netherlands KIX Code, USPS 4CB/One Code/Intelligent Mail, UPU FICS Postal
Option 2	Honeywell N6603
Scan Angels Tilt	360°
Scan Angels Pitch	±45°
Scan Angels Skew	±65°
Barcodes support	UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Talepen, Trioptic, China Post, PDF417, MicroPDF417, GS1 Composite, Aztec Code, Data Matrix, QRcode, MaxiCode, Han Xin Code, Intelligent Mail Barcode, Postal-4i, Australian Postal, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code

3) RFID

RFID	HF
Frequency	13.56MHz
Protocol	ISO15693, ISO14443A/B, Mifare, Felica, etc..
Mode	Card Emulation, Peer-to-Peer, Reader
Work distance	Read distance 0-6cm (ISO15693), 0-4cm (ISO14443A/B)

4) Fingerprint Module (Optional)

Fingerprint module	Professional authentication fingerprint module
Working	Supports working under the sun glare (100,000LUX)
Certification	FBI PIV certification

Wireless communication

1) Positioning

Positioning	Positioning specs
Support	GPS , A-GPS , Beidou , GLONASS , Galileo
Frequency	Standard : GPS (L1 1.575GHz C/A code) , Beidou (B1 1.561GHz) , GLONASS (L1 1.602GHz) , Galileo (E1 1575.42MHz) High-precision : GPS (L1 1575.42MHz /L2 1227.6 MHz) , Beidou (B1 1561.098MHz /B2 1207.14 MHz) , GLONASS (L1 1602MHz / L2 1248.06 MHz) , Galileo (E1 1575.42MHz/E5B 1207.14 MHz)
Cold start	Less than 40 s
Channels	Max 31 channels
Sensitivity	-130dB (Standard)
Precision	5-10M (Open space) (Standard)
Positioning (Optional)	Positioning specs
Support	High-precision RTK
Frequency	Standard : GPS (L1 1.575GHz C/A code) , Beidou (B1 1.561GHz) , GLONASS (L1 1.602GHz) , Galileo (E1 1575.42MHz) High-precision : GPS (L1 1575.42MHz /L2 1227.6 MHz) , Beidou (B1 1561.098MHz /B2 1207.14 MHz) , GLONASS (L1 1602MHz / L2 1248.06 MHz) , Galileo (E1 1575.42MHz/E5B 1207.14 MHz)
Cold start	Less than 25s
Max Channels	184 channel (High-precision)
Sensitivity	-167dB (High-precision)
Precision	0.01m (RTK) (High-precision)

2) WLAN

	WLAN
Protocol	IEEE 802.11 a/b/g/n/ac (2.4G/5G WIFI)
Frequency	2.4G/5G
Working Channels	2.4G : CH1~CH13 (depends on Country / Region) 5G : 36/38/40/42/44/46/48/52/56/60/64/100/104/108/112/116/120/124/128/132/136/140/149/153 /157/161/165 (Depends on Country/Region)
Security	EAP-TLS, EAP-TTLS, PEAP-MSCHAPv2, PEAP-TLS, PEAP-GTC, PWD, SIM, AKA, WEP, WPA/WPA2-PSK, WAPI certificate, WAPI-PSK
Roaming	Support PMKID caching , 802.11r , OKC
Antenna	Built-in

3) WAN

WAN	Specification	
Mode	Dual-SIM ,Dual-Standby	
Global Version	4G (TD-LTE)	TD-LTE : B34/B38/B39/B40/B41
	4G (FDD-LTE)	FDD-LTE (B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B19/B20/B25/B26/B28A/B28B/B66)
	3G (TD-SCDMA)	TD-SCDMA (B34/B39)
	3G (WCDMA)	WCDMA (B1/B2/B4/B5/B8)
	3G (CDMA2000)	CDMA2000 1×EV-DO Rev.A BC0 (800MHz)
2G	CDMA 1× GSM/EDGE/GPRS(850/900/1800/1900)	

4) Bluetooth

Stadard	Specification
Support	BT 4.2+BR/EDR+BLE
Distance connect	> 10M

Optional Accessories

	Description
Accessory	Charging/ Communication cradle , Multi-function Cradle, Pistol grip , UHF Pistol grip , Hand strap , Protective case

Certificates

	Certificates
International	CE, RoHS, Google GMS