



Rugged Tablet X- 50Q

Versatile Overall Mobile Solution

SCANTECH ID[®]
CHAMPTEK Group

Specifications

Performance	Model	X-50Q
	O.S.	Android 9.0
	Processor	Octa-core 1.8GHz
	Memory	RAM:4GB ROM:64GB RAM:6GB ROM:128GB(optional)
	Extended memory	Micro-SD card, Up to 128 GB
Basic specifications	Dimensions	Height:162mm(6.4 in.) Width:76mm(3 in.) Depth: 13.6mm(0.53 in.)
	Weight	265 g (8.8oz)with battery
	Display	5.7 inch display , 720 × 1440 5.65 inch display , 2160 × 1080 (optional) exceptionally bright , outdoor viewable , optically bonded to touch panel
	Touch Screen	Ultra sensitive capacitive touch panel with Corning gorilla cover glass, support multi-touch, works with gloves and wet fingers
	Main battery	Capacity : 3.85V 4300mAh Working time: 8-10 h (depends on environment and activity)
	Charging time	<4 hours (with non-QC adapter) (room temperature) <3 hours (with QC 4.0 adapter) (room temperature)
	Slots	Micro SD /TF × 1, Nano- SIM× 2
	Audio	Dual-microphone support with noise cancellation , high quality speaker, PTT headset support ; cellular circuit switch voice

	Sensors	Light+Accelerator+Proximity+Geomagnetic+Gyro(optional)
	Fingerprint	Fingerprint Module, Optical Fingerprint Module (optional)
	Buttons	Volume+/- , Power , Scan button × 2 , Programable button
Network Connections	WAN	Dual-SIM, Dual-Standby
		4G, 3G , 2G
	Positioning	GPS , A-GPS ,BEIDOU , GLONASS , Galileo
	Bluetooth	BT 5.0 + BR/EDR +BLE
	WI-FI	2.4G/5G , IEEE 802.11 a/b/g/n/ac/d/e/h/i/k/r/v/w Roaming:802.11r/OKC/PMKID caching
Data Capture Specifications	Scanning	1D/2D barcode reader Can read all international standards 1D/2D barcode; Can read barcode dispalyed on screens and colored barcode
	Camera	Front 5M Pixels , Rear 13MP auto-focus color rear camera with flash
	NFC	ISO 14443 Type A and B; Felica/ Mifare and ISO 15693 cards; Reader mode , P2P mode , Card Emulation mode Apple Enhanced Contactless Polling (ECP)

Environment		
Environment	Temperature	-20°C to 60°C (-4°F to 140°F)
	Storage	-40 °C to 70°C (-40°F to 158°F)
	Humidity	5% RH ~95% RH (No condensation)
	Drop Specification	Multiple 5 ft./ 1.5 m drop to concrete at room temperature per MIL-STD 810G
	Tumble	400 3.2ft./1.0m tumbles Exceeds MIL-STD 810G
	Sealing	IP67
	ESD	±15 KV Air discharge , ± 8 KV Direct discharge
	Thermal Shock	-40°C to 70°C (-40°F to 158°F) rapid transition

Data Capture Specifications

Camera

Rear Camera	
functions	Flash light , Auto-focus , Video
Pixels	13MP
Front Camera	
Pixels	5MP, Fix-focus
Scanner Engine	
2D Imager Engine Specifications	
Scan Angels Tilt	360°
Scan Angels Pitch	±60°

Scan Angels Skew	±60°
Barcodes support	Linear: Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC-E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data Bar 2D Stacked: Codablock A, Codablock F, PDF417, MicroPDF417 2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible (Han Xin), Grid Matrix, Dot Code Postal: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
Laser safety level	IEC 60825-1 Class 2
frame rate	60fps

NFC

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

Fingerprint Module (Optional)

Option 1	Fingerprint Module
Specification	FRR=1/100. FAR=1/50000.
Option 2	Optical Fingerprint Module
Specification	FRR=1/100. FAR=1/10000. 360 ° recognition 3D fingerprint imaging
Certification	FBI PIV certification

Network Connections

Wireless LAN Data and Voice Communications	
Radio	IEEE 802.11a/b/g/n/ac
Data Rates	5GHz:802.11a/n/ac---up to 866.7Mbps 2.4Ghz:802.11b/g/n---up to 300Mbps
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 and Encryption	EAP-TLS , EAP-TTLS , PEAP-MSCHAPv2 , PEAP-TLS , PEAP-GTC , PWD ,SIM , AKA , WEP , WPA/WAP2-PSK , WAPI certificate , WAPI-PSK
Roaming	Support PMKID caching , 802.11r , OKC
Wireless WAN Data and Voice Communications	
Mode	Dual-SIM , Dual-Standby

Global Version	TD-LTE:B34/B38/B39/B40/B41 FDD-LTE:B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B19/B20/B25/B26/B28A/B28B
	WCDMA:B1/B2/B4/B5/B8 TD-SCDMA:B34/B39 CDMA2000 1× EV-DO Rev-A BC0(800MHz)
	CDMA1× GSM/EDGE/GPRS(850/900/1800/1900)
Positioning	GPS , A-GPS ,BEIDOU , GLONASS , Galileo
Frequency	GPS(L1 1.575GHz C/A code) , BEIDOU (B1 1.561GHz) , GLONASS(L1 1.602GHz) , Galileo (E1 1.589 GHz/ E2 1.561 GHz)
Cold start	Less than 40s
Channels	Max 31 channels
Sensitivity	-130dB
Precision	5-10 Meters (open space)
Wireless PAN Data and Voice Communications	
Bluetooth	BT 5.0 + BR/EDR +BLE
Distance connect	>10m

Optional Accessories

Description	
Accessory	Single-slot Cradle 5-Slot Battery Charging Cradle Scan Trigger Hand Strap Fingerprint version Battery

Certificates

Item	Certificates
International	CE, FCC , ROHS , GMS , AER

MDM

MDM	
International	SOTI , AIRWATCH , Teamviewer , iVanti , UMS