



Rugged Tablet X-80F

Versatile Overall Mobile Solution

SCANTECH ID[®]
CHAMPTEK Group

Introduction

SCANTECH ID X-80F is a versatile rugged powerful tablet designed for diversified applications in self-service, ID identification, biometrics validity, information, multimedia and your customized interactive services in every environment of government, retail, logistics, inventory, transportation, medical care, hospitality applications.

The strength of the X-80F comes from customizable optional feature modules within the IP65 reliable device. X-80F runs on Android open platform with low power consumption and long battery duration, and it is easy to implement customer application. For information about our OEM models and services, please contact our regional sales representative.

Features

- IP65 1.2m drop tested military grade tablet with 8" touch display
- Low power consumption and long battery life supports 12 hours
- Physical RJ45 connection by an USB to Ethernet converter (optional)
- Dual MIC with voice tracking, background noise & echo cancellation
- Built-in a high security IC and CryptoCore, TPM2.0 with FIPS 140-2
- Ergonomical shoulder strap allow long hour hands-free operation
- Adjustable desktop stand on tablet itself, no extra cradle needed
- Handy F1 quick access button to activate specific APP
- Rear camera 1D/2D barcode decoder and national ID card scanning.
- Face recognition feature by cameras (optional)
- Optional parts: 1-to-4 Multiple battery charging dock, RFID(NFC) module, spare battery and shoulder strap.
- Mobile IP55 carry case design including accessories

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Specifications

• System Architecture

Processor	Octa Core, 64-bit ARM, 2 GHz Cortex-A78 x2+2Hz Cortex-A55x6, GPU (G57)
Operating Platform	Android 16 OS
Dimension	211.4mm x 140.8mm x20.5mm(no cushion) 222.8mm x 152.7mm x25.95mm(w/t cushion)
Weight	1020g [3.12 lbs]
Memory/ Storage	8GB +128GB
Security	Built in security IC and MTK CryptoCore (TPM2.0 with FIPS 140-2)

• Media

Display	8" WXGA 1280x800 IPS 10-point multi-touch
Speakers	2 *8 Ohm 1W
Dual Microphones	Voice tracking, noise & echo cancellation

• Network Interface

Wired LAN	100/1000 Mbps-(Conforms with IEEE802.3x)
Wireless LAN	Wi-Fi 802.11 a/b/g/n/ac, Bluetooth® 5.0
Wireless Bluetooth	GPS/Glonass/Beidou/Galileo/QZSS/SBAS
Wireless GPS	Tri-band reception concurrently

• 5G/LTE Module Band Frequency

(5G) NR	n1/n3/n28/n41/n77/n78
(4G)LTE FDD	B1/B3/B5/B7/B8/B20/B28
(4G)LTE TDD	B38/B40/B41
(3G)WCDMA	B1/B5/B8
(2G)GSM	B3/B8 (900&1800)

• Scan Module (optional)

	1D/2D Barcode decoder by camera
	Fingerprint scanner
	Optional: Face regonition by camera,National ID card MRZ scanning and RFID(NFC) module

• Durability

Storage Temperature	-20°C ~ 70°C
Operating Temperature	-10°C ~ 60°C
IP Protection	IP65, 500 times x 1 m tumble test
Drop Resistance	MIL-STD-810G method 516.6 procedure IV 48"/1.2m drop pass, 26 times including all corners, edges and faces. IEC60068-2-31 handling shocks with 50cm drop on six faces. Screen Protector Glass resists 64 gm steel ball drop from 120cm.

• Power Supply

AC Adapter	57W (19V / 3A)
Battery Volume	Swappable battery, integrated 7400mAh battery pack
Battery Endurance	12 hours

• I/O Ports

	USB TYPE-C (1*USB2.0 OTG)
	USB TYPE-A (2*USB2.0)
	DC jack
	Dual Nano SIM Cards Slot
	Micro SDXC Card Slot(support up to 128G)

• Camera

Camera Front	8 MP
Camera Rear	20 MP, with Auto Focus, Flash

• Regulatory

	CE, ROHS, MIL-STD 810G
	Battery: UN38.3, IEC62133, MSDS

• Optional Accessories

	1 to 4 cradle Battery Charging
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