



## X-55 Fingerprint PDA

### Voter Biometric Management Suite Peripheral DataSheet



#### Introduction

Champtek delivers begin to end election solution through the process of voter registration, electronic voting and voter management also with its durable handheld device X-55 Fingerprint PDA, where it can easily accomplish any election operations in any country side.

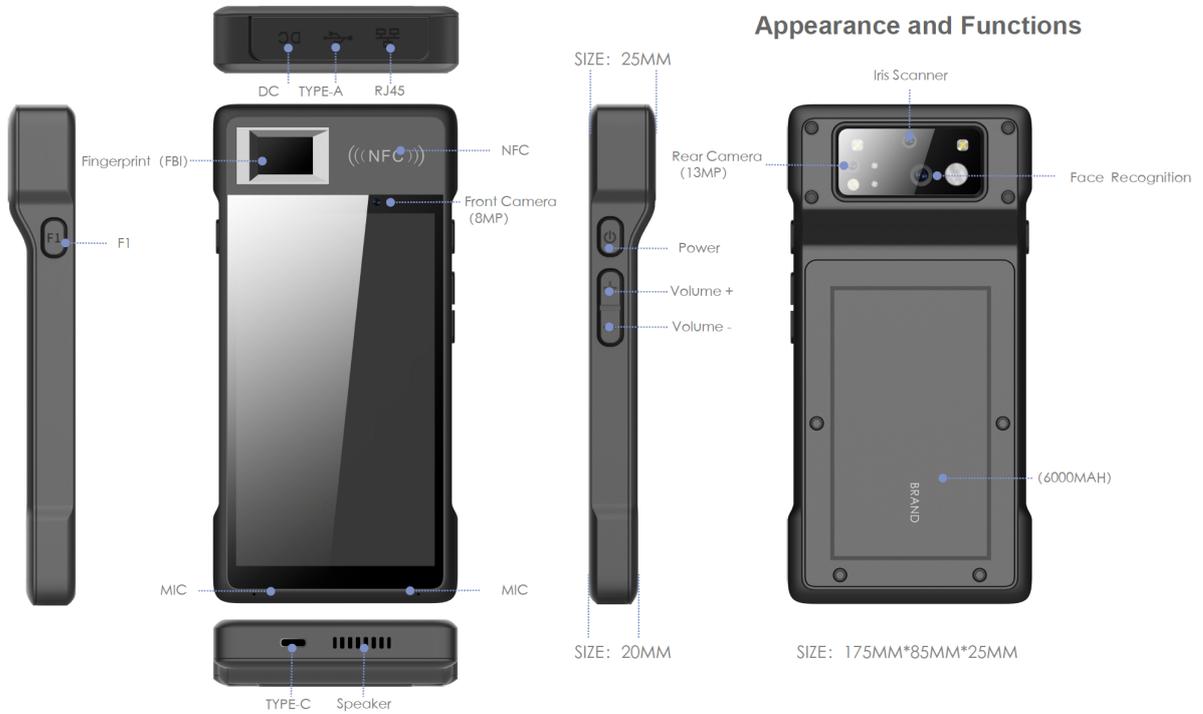
An adequate hardware sealing level of IP67 allows its use under severe weather conditions and environment pollution. Extendable modules such as NFC, Iris recognition, facial recognition and fingerprint (FBI) are available to be integrated as a total solution.

#### Overview

Product model	X-55	
Device Main Characteristics	1. Device IP rating: IP67 2. The anti-drop resistance of the naked machine is 1.2M, the electrostatic standard is 16KV for air, and 8KV for contact 3. Working temperature: -10 to 50 degrees, working humidity 10%-90%, storage temperature -20 to 60 degrees, brightness >350cd/m2 4. Built-in encryption IC, NFC, iris recognition, face recognition, FBI fingerprint recognition 5. Ease for handheld	
Physical Standard Configuration		
Type	Detail	Description
LCD	Screen Size	5.5"
	Screen Resolution	720*1280 (switch mode: 1080*1920)
TP	Touch Module	5-point touch
Rechargeable Battery	Type	Lithium-ion polymer battery
	Capacity	3.8V/6000mAh
	Endurance	8 hours (under conditions of connecting WIFI playing streaming video continously with max. volume and display brightness)

# Specifications - X-55 Fingerprint PDA

System hardware configuration		
Type	Detail	Description
CPU	Type	MT8788 ( 8-core processor)
	Speed	2.0GHz
GPU	Type	Mali-G57 (3D-Graphics)
RAM	Capacity	4GB or 8GB LPDDR4X
ROM	Capacity	UFS(128GB or256GB)
TF card	Capacity	32GB ~ 128GB(up to 128GB)
Camera	Front	8MP (FF)
	Rear	13MP (AF)
microphone	Built-in	2* Microphone
Speaker	Built-in	1*8Q/2W
Flashlight	Built-in	YES
Power light indicator	Built-in	YES, Red and green
G_sensor	Built-in	YES
Compass	Built-in	YES
Gyroscope	Built-in	YES
Button battery	Built-in	YES
IC Encryption IC	Built-in	YES
GPS	Built-in	YES(BeiDou, Glonass, GPS)
WIFI	Built-in	WIFI 802.11 ac/a/b/g/n
Bluetooth	Built-in	BT 4.2
Ethernet (RJ45 Port)	Built-in	YES
NFC	Built-in	YES
Fingerprint recognition	Built-in	YES (FBI)
Iris recognition	Built-in	YES
Facial recognition	Built-in	YES
4G	Built-in	GSM: B3/B8
Interface Configuration		
Type	Detail	Description
TF Memory card socket	External memory	standard TF card (up to 256GB)
Sim card interface	Built-in	Nano SIM card
USB TYPE-C interface	Data transfer supportive	TYPE-C(USB2.0 OTG +Digital microphone)
USB TYPE-A interface	Data transfer supportive	1*TYPE-A(USB 2.0)
RJ45 Ethernet Port	Ethernet Port	1*RJ45(100 Mbps)
Key interface	Pot button	Power ON/OFF,VOL+,VOL-, F1(Speed APP activation)
Software Configuration		
Type	Detail	Description
Operating System	version	Andriod12
	Language	Multi-language supported
Standard Configuration		
Type	Detail	Description
Power Adapter	Standard Configuration	DC charger (19V/3A)
Certification instructions		
Type	Detail	Description
ICASA	Optional Configuration	YES
CE	Optional Configuration	YES
FCC	Optional Configuration	YES
CTA	Optional Configuration	YES
ROHS	Optional Configuration	YES
MIL-STD-810G	Optional Configuration	YES
GMS	Optional Configuration	YES
3C	Optional Configuration	YES



## Voter Biometric Management Suite

- Power Sockets
- Iris Scanner
- 10 Fingers Scanner
- Rugged VMD
- IP65 Carry Case
- USB Keyboard
- Photo Camera
- Document Scanner
- Printer
- External 500G HDD
- 10M Power Stripes
- USB HUB

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