IRIS ™
Bringing Solutions to Life

ST6ex
Smart Handheld

Designed for high mobility, ST6ex is a truly versatile handheld that offers a multitude of identity and document verification features in a single device. It features Biometric Fingerprint Scanner and both Contact and Contactless/NFC Readers to facilitate biometric identity verification of an ID or ePassport Cardholder instantly and reliably.

The diversified functions of ST6ex along with its easy to use software tools and high-sensitivity touch screen helps to increase identity verification efficiency in industries such as banking, insurance, healthcare, telecommunications, logistics, public law enforcement, etc.

| Instant MyKad Reading | Easy to Carry Around | Accurate Biometric Verification | ePassport Reading |

SPECIFICATION

Standard Features

Dimensions (L x W x H)	203mm x 80mm x 21mm
Processor	Qualcomm 1.3GHz 4xCore Cortex A53
Operating System	Android 11 (GMS version)
Display	LCM 5 inch, 1280×720, IPS, Multi-Touch Panel
Internal Memory	3GB RAM, 32GB ROM
Memory Expansion	Support up to 128GB TF Card
Battery	5,000mAh, 3.7V, UN38.3 certification
Camera	Rear 13MP Autofocus with Flash, Front 5MP FF
Host Interface	USB Type-C
Physical Buttons	Power Button, Function, Volume Up & Down Buttons
SIM Card Slot	1x (Nano SIM)
Earphone	3.5mm Earphone Jack
Speaker	1x Speaker 1.5W
IP Rating	IP54

Security Features

PSAM	1x (SIM Type)
Fingerprint Module	Morpho CBM-V3

Wireless Communications

4G	LTE B1/B3/B7/B8/B20/B38/B40
	VoLTE
2G/3G	900/1800
Wi-Fi	802.11ac, 802.11a/b/g/n
Bluetooth	Bluetooth 4.2+
GPS	Supported

Contact Card Reader

Clock Frequency	4M ~ 12M
Card Slot	1x ISO 7816-3 ID-1 (Full-size)
Protocols Supported	ISO / IEC 7816, T=0 and T=1 Protocol, Class A, B and C cards

Contactless Card/NFC Reader

Clock Frequency	13.56Mhz
Reading Speed	106~848kbps
Protocols Supported	ISO/IEC 14443 A/B ISO 15693, Mifare, FeliCa
NFC SDK	Original NFC SDK by Android System

Accessory (sold separately)

Thermal Printer	58mm (Paper width 57.5±0.5mm, φ30mm), 384 dots/line, 48mm(W) Effective printing width
	Max printing speed: 75mm/s

Transportation

Access Control

Telco

Government Agencies

Enrolment

Healthcare & Insurance

Loyalty & Membership

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