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**Model No:
SF102A**

**Multi-function Electronic
Signature Terminal**



Type		Description
Configuration	CPU	Quad-core 64-bit Cortex-A55, up to 2.0 GHz
	GPU	ARM G52 2EE Supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1 Integrated high-performance 2D acceleration hardware
	NPU	Supports 0.8 TOPS compute power
	Android	Android 11
	Internal memory	2GB+16GB (4+32GB as option)
	WiFi	802.11a/b/g/n/ac
	camera	Monocular, 2 megapixels
	Barcode Scanner	640*480 image sensor; FOV: 74°(H) X 58°; capable of fast and accurate reading of document barcodes, QR codes and payment QR codes
Display Specification	Screen Type	USB display, TFT LCD IPS;
	Resolution	1280 × 800; Ratio: 16:10
	Screen size	10.1 inch
	Brightness	220 cd/m ² (typical)
	Contrast Ratio	800:1 (typical)
	Viewing Angle	H170°,V170°,@CR≥10
	Glass Panel / Touch	Electromagnetic handwriting + capacitive touch dual-mode
Verification Specifications	Biometric	Capacitive fingerprint sensor, image resolution: 256 × 360 pixels; 508 DPI Fingerprint scanner with Silicone/Fake Finger Detection (Liveness Detection)
	Identification response	< 0.25 s
	Contactless card reader	Support NFC 13.56MHz ISO/IEC 14443 Type A/B, Mifare
	Chip card reader	Support ISO7816 OCR for CNIC/Passport/Cheque image capture and save UV (Ultraviolet) document verification
	Development	Support SDK for camera, fingerprint module, and ID card reader
Electrical Specifications	Input	12V 2A
	Power Consumption	Max 24W
	Communication Cable	USB + DC 2-in-1 cable, length 2 m
	Other Interfaces	USB Type-A ×1, DC in 3.5 mm ×1, (TF card ×1 optional)
	Audio & Microphone	USB audio, 1.5W speaker ×1 (MIC ×1 optional)
	User Buttons & Indicators	3 keys (display on/off and brightness adjustment), 1× LED indicator

Physical Specifications	Overall dimension	322 × 175 × 19 mm (66 mm total height including camera)
	Weight	Net 1.09 kg (including USB cable)
	Standard accessories	Power adapter, PEN59 stylus ×1, pen tether ×1, certificate of conformity ×1, replacement nibs ×2
	Camera Adjustable Angle	Upward tilt ≥ 38°, left/right swivel > 145° each
	Cable fixing	USB cable detachable, secured by cable box and cable channel
	External USB Ports	2 ports optional
Handwriting Signature Specifications	Resolution	2540 LPI (5080 LPI optional)
	Handwriting/Signature capture	Support
	Active Writing Area	Full screen (216.96 × 135.6 mm)
	Pressure Levels	2048 levels
	Position Accuracy	Centre ±0.5 mm, edges ±2 mm
	Tilt Angle	±45° from Y-axis
	Pen Type	Wireless
	Stylus Dimensions	Diameter 9.0 mm, length 136.71 mm
Environmental & Reliability	Signature Encryption	Optional
	Operating Temperature	–10°C to 50°C, humidity < 90% RH
	Operating Humidity	10%~85% RH
	Environmental Protection	RoHS compliant
	Safety/EMC	CCC certified