

PRODUCT SPECIFICATION

SF880

Android 16 GMS Certified

Dual-Screen Smart POS Terminal

An integrated Android platform for mobile checkout, customer interaction and receipt printing.



6.56 inch main display / 1.9 inch secondary touchscreen

58 mm thermal printer / 4G LTE / 6800 mAh battery

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Product highlights

Android 16 with GMS certification

An octa-core platform with 4 GB RAM and 32 GB storage supports Android business applications and service integration.

Two screens for transaction interaction

A 6.56 inch IPS main display and a 1.9 inch secondary touchscreen provide separate spaces for operator workflows and customer-facing information, subject to application support.

Integrated receipt printing

A built-in 58 mm thermal printer accommodates a 40 mm paper roll diameter for on-site receipts.

Connected mobile operation

4G LTE, dual-band Wi-Fi, Bluetooth 5.0 and GPS/GLONASS support connected service workflows. A 3.85 V, 6800 mAh battery supports mobile use and PD charging.



Typical applications

Retail and convenience stores • Hospitality and tableside ordering • Mobile sales and field service • Ticketing and service counters

Application software, payment acquiring services and regional approvals must be arranged for the intended deployment. Screen content is illustrative.

Technical specifications

Item	Specification
Model	SF880
Operating system	Android 16; GMS certified
Processor	MediaTek MT8786; octa-core CPU, up to 2.0 GHz
Memory and storage	4 GB RAM + 32 GB storage (eMCP)
Main display	6.56 inch IPS incell touchscreen; 720 × 1600 pixels
Secondary display	1.9 inch LCM with touch panel; SPI and I ² C, 1.8 V; fitted in the dual-screen configuration
Wi-Fi	2.4 GHz and 5 GHz; IEEE 802.11 a/b/g/n/ac
Bluetooth	Bluetooth 5.0
Positioning	GPS / GLONASS
SIM and expansion	Nano-SIM or eSIM × 2 + microSD; final SIM/eSIM arrangement to be confirmed for the ordered configuration
Security controller	32-bit secure MCU
SAM	1 × standard SAM slot
NFC	Android NCI NFC and EMVCo NFC, as specified in the technical sheet; see deployment notes
Card readers	ICCR (contact IC card reader) and MSR (magnetic stripe reader): optional
Cameras	Front: 2 MP; rear: 5 MP with autofocus
Printer	58 mm thermal printer; paper roll diameter: 40 mm
Battery and charging	3.85 V / 6800 mAh; PD charging
Audio	1 speaker and 1 microphone
Keys	1 power key and 1 function key
Interface	1 × USB Type-C
Operating temperature	0°C to +50°C
Dimensions	185 × 79 × 51 mm (as shown in supplied product artwork)

Connectivity and configurations

Item	Specification
Mobile network profile	EU profile in the source specification
LTE FDD	B1 / B2 / B3 / B4 / B5 / B7 / B8 / B20 / B28
LTE TDD	B38 / B40 / B41
WCDMA	B1 / B2 / B4 / B5 / B8
GSM	850 / 900 / 1800 / 1900 MHz

Optional configurations

Item	Specification
ICCR and MSR	Optional card-reader configuration; specify requirements when ordering.
Four-way module selection	Choose one: 1.9 inch secondary touchscreen, USB fingerprint reader, UART fiscal module or UART scanner. The secondary screen is the selected module for this dual-screen model.
Module interfaces	Fingerprint: USB. Fiscal and scanner: UART, TTL 3.3 V. Alternatives require a different module configuration.
Housing appearance	White and orange versions are shown in the supplied artwork; confirm color availability with the quotation.



Ordering and deployment notes

GMS certification is confirmed for the product. GMS does not establish payment-scheme, PCI PTS or regional regulatory approval. NFC capability does not by itself establish approval for a particular payment service.

Confirm the selected module, optional card readers, SIM/eSIM implementation, regional network compatibility and application requirements before ordering. Alternative modules are not represented as simultaneously fitted with the secondary display.

No print speed, charging wattage, battery runtime, weight or additional certification is claimed where a value is not specified. Product images show illustrative interfaces; installed software and final appearance depend on the ordered configuration.

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