DEPTRUM
光鉴科技

Deptrum® P40 Handheld Smart Terminal Product Specification

V1.0 · 2026/10/22

Revision History

Version	Description	Date	Revised by
V1.0	Official release	2026.10.22	Yan Qizhan

1 Product Overview

The P40 is a 5.45-inch handheld smart terminal for checkout and identity verification in retail, catering and supermarket scenarios. It runs on an 8-core processor with Android 13 and integrates the Veinshine 01 palm module, supporting palm-print verification and palm payment.

The device supports all 4G bands, dual-band Wi-Fi and Bluetooth, is equipped with a 6000 mAh battery, and provides RJ45 Ethernet, RS-232 serial and Type-C OTG interfaces.

1.1 Applications

- Retail
- Catering
- Supermarkets
- Convenience stores

2 Product Features

2.1 Integrated Palm Verification

With the built-in Veinshine 01 palm module, the device natively supports palm-print

verification and palm payment without an external module.

2.2 Performance and System

8-core processor (4 × Cortex-A73 @ 2.0 GHz + 4 × Cortex-A53 @ 2.0 GHz), 2 GB RAM + 32 GB ROM, Android 13.

2.3 Full-band Wireless Connectivity

Supports 4G (FDD / TDD), 2G / 3G, 2.4 G / 5 G dual-band Wi-Fi and Bluetooth, meeting the needs of mobile checkout scenarios.

2.4 Long Battery Life

6000 mAh lithium battery, suited to mobile checkout scenarios without a fixed power supply.

2.5 Complete Interfaces

100 M RJ45 Ethernet, RS-232 (RJ45) serial port, Type-C (USB 2.0 OTG), Nano SIM × 2, TF card slot.

3 Core Specifications

P40 Handheld Smart Terminal Core Specifications		
General Specifications	Device Dimensions	153 × 143 × 52.9 mm
	Device Weight	900 g
	Color	Silver
	Power	AC 100 ~ 240 V，50 / 60 Hz；DC 12 V / 3 A
	Battery	Lithium battery, 6000 mAh
Display & Touch	Screen	5.45-inch incell, 720 × 1440 IPS
	Touch Screen	10-point capacitive touch (incell)

P40 Handheld Smart Terminal Core Specifications		
	GPU	Mali-G72 MP3
System & Storage	CPU	ARM 8-core: 4 × Cortex-A73 @ 2.0 GHz + 4 × Cortex-A53 @ 2.0 GHz
	Memory	2 GB DDR
	Storage	32 GB
	Operating System	Android 13.0
	Audio	2 W speaker, microphone supported
Network & Wireless	Wi-Fi	2.4 G / 5 G high performance, 802.11 a/b/g/n/ac
	Bluetooth	Supported
	Cellular Network	2G： B2 / B3 / B5 / B8；3G： B1 / B8；4G FDD： B1 / B3 / B7 / B20 / B28A；4G TDD：B40
	Positioning	GPS
Recognition & Card Reading	Palm Module	Veinshine 01
External Interfaces	SIM Card Slot	Nano SIM × 2
	Memory Card Slot	TF card × 1
	Type-C	USB 2.0（OTG） × 1
	Ethernet	100 M RJ45 × 1
	Serial Port	RS-232 (RJ45) × 1
	DC Power	DC005 × 1
	Sensor	G-Sensor

P40 Handheld Smart Terminal Core Specifications		
Operating Environment	Operating Temperature	-10 °C ~ 50 °C (non-condensing)
	Operating Humidity	0% ~ 85% RH
Storage Environment	Storage Temperature	-20 °C ~ 85 °C (non-condensing)
	Storage Humidity	10% ~ 95% RH

4 Product Appearance



5 External Interface Description

5.1 Interface Description

Interface	Qty	Description
Nano SIM slot	2	Nano SIM × 2
TF card slot	1	MicroSD

Interface	Qty	Description
Type-C	1	USB 2.0（OTG）
RJ45 Ethernet	1	100 Mbps
RS-232 serial port	1	RJ45 interface
DC Power	1	DC005

6 Warranty

During the warranty period, the supplier shall provide free repair service for any non-human-caused failure of the product.

The following cases are not covered by the free warranty:

(1) Failure or damage caused by incorrect or improper use, maintenance or storage, such as cracking, corrosion or damage of the product or its parts resulting from improper handling, dropping, excessive external force, contact with or exposure to unsuitable temperatures, water immersion or damp environments;

(2) Failure or damage caused by repair, modification or disassembly by an organization or person not authorized by the supplier;

(3) Failure to install the device in accordance with the supplier's product manual or installation video (including but not limited to any non-standard operation such as drilling that may affect the quality or performance of the device);

(4) Failure or damage caused by force majeure or accidents;

(5) Other failure or damage not caused by the quality of the product itself.

Apart from the cases excluded above, the supplier shall repair the product free of charge within 15 working days after receiving the product mailed by the customer, and mail the repaired product back to the customer immediately; each party shall bear its own shipping costs.

For cases not covered by the free warranty, the corresponding repair and shipping costs shall be borne by the customer.

7 Disclaimer

The device application information and other similar content in this specification are provided for your convenience only and may be superseded by updated information. It is your responsibility to ensure that applications comply with the technical specifications. Shenzhen Deptrum Technology Co., Ltd. makes no representation or warranty of any kind, express or implied, written or oral, statutory or otherwise, with respect to such information, including but not limited to any warranty of use, quality, performance, merchantability or fitness for a particular purpose. Deptrum assumes no liability for any consequence arising from such information or from the use of such information. Without the written approval of Shenzhen Deptrum Technology Co., Ltd., Deptrum products shall not be used as critical components in life support systems. No license is granted, implicitly or otherwise, under any Deptrum intellectual property rights.

8 Technical Support

You can obtain support through the following channels:

- Email support: send your questions to support@deptrum.com
- FAE support: contact our sales representatives for the FAE contact details