



SVOTON Z36 Next Generation Professional Terminal

Enhanced in Multiple Aspects, a More Powerful Mobile Working Assistant

Powered by a more powerful core and a host of other enhanced features, the Z36 is capable of supporting a wider range of business operations. Equipped with the latest scanning engine, which boasts strong decoding capabilities, the device can adapt to more diverse work scenarios. The newly upgraded detachable battery design, backup power support, and a variety of charging accessories significantly improve the operational efficiency of device clusters.

Comprehensive Business Support -Multiple Performance Upgrades

The newly upgraded Central Processing Unit (CPU) achieves an AnTuTu benchmark score of over 200,000, and when paired with the latest Android 14.0 operating system, it delivers a user experience comparable to that of mainstream smartphones for frontline workers. The increased memory and flash storage capacity allow workers to pre-install and run more applications, easily supporting a wide range of business operations.

Excellent Scanning Performance -Adapting to Diverse Operational Scenarios

Equipped with the latest scanning engine, the device can quickly recognize nearly all 1D (One-Dimensional)/2D (Two-Dimensional) barcodes thanks to its powerful decoding capability. Meanwhile, the device can further expand its operational scenarios by optional selection of medium-range and long-range scanning engines.

Optimized Battery Life -Enhancing Cluster Operation Efficiency

The newly upgraded 5000mAh removable battery design, combined with backup power support, significantly extends the device's battery life. When the device is low on power, there is no need to shut it down; simply replace the battery, and it can be put into use immediately. With a variety of charging accessories, the device can achieve higher operational efficiency in scenarios requiring large-scale cluster operations, such as warehouses and sorting centers.



Store
Management



Inventory
Management



E-commerce
Shipping



Production
Management

*Due to limitations of the test environment and the version of AnTuTu, actual benchmark scores may vary.

Z36 Technical Specifications

System Configuration

Processor	Octa-core 2.0GHz high-performance processor
Operating System	Android 14.0
Memory (ROM+RAM)	64GB+6GB(standard)
SIM	Select two out of three available SIM card slots, support dual SIM and dual standby
(eSIM: Not supported)	- two cards can be inserted at the same time, Nano SIM card + Nano SIM card /Nano SIM card +TF card - WIFI ONLY version SIM not available , not supported
Expansion Slot	Micro SD card (up to 512GB) WIFI ONLY version SIM not available , not supported
Display Screen	5.5-inch, resolution: 1440*720 pixels, IPS
Touch Screen	Industrial capacitive screen, support wet-hand operation/glove mode/multi-touch
Camera	13MP rear camera, support auto-focus/PDAF, 5MP front camera
Flashlight	1A flashlight
Keypad	6 keys in total: side scan key *2, side power key *1, volume key*2, custom key*1
Battery	3.85V lithium battery, with 5000mAh, detachable, support backup battery Execution Standard GB31241-2022
Audio	Built-in dual microphone (noise-canceling microphone)
Charging Method	Type-C charging and pin port charging, support 18W fast charging
Reminder	Vibration reminder/LED reminder/Audio reminder
Vibrating Motor	Built-in vibrating motor
Sensors	G-sensor/ Proximity sensor/Light sensor, Optional: Gyroscope/geomagnetic sensor/high-precision barometer
Intercom Function (Optional)	Support one-button PTT calls

Structure Parameter

Dimension (L*W*D)	160.7mm*74.9mm*15.4mm
Weight	278g (including the battery)

Environmental Parameter

Working Temperature	-20°C - 60°C *Do not charge under low temperature conditions for the safety concerns
Storage Temperature	-40°C - 60°C (without the battery)
Humidity	0 - 95% (no moisture condensation)
Drop Specification	Multiple drops to concrete floor from the height of 1.5m
Roller Drop Specification	1000 times of roller drops from a height of 0.5 meter
Ingress Protection	IP67/IP65
ESD Protection	±15KV (air discharge), ±8KV (contact discharge)

Communication Interface

USB Interface	Type-C (with headset function) *1
OTG Interface	Support

Scanning Engine

Barcode Type	It can scan one-dimensional / two-dimensional barcodes
Scanning Accuracy	≥3.33mil
Scanning Angle	Pitch: ±60° Skew±45 ° Tilt360 °
View Angle	Horizontal44.3 ° Vertical28.4 ° Diagonal51 °
Motion Error Tolerance	8m/s

Communication Transmission

WWAN (Network Frequency)	China & Eurasian version 2G: B2/B3/B5/B8 3G: WCDMA: B1/B2/B5/B8 TD-SCDMA: B34/B39 4G: FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE: B34/B38/B39/B40/B41 Global version 2G: B2/B3/B5/B8 3G: WCDMA: B1/B2/B5/B8 TD-SCDMA: B34/B39 4G: FDD-LTE B1/B2/B3/B4/B5/B7/B8/B12/B17/B20/B28A/B28B TDD-LTEB34/B38/B39/B40/B41 WIFI ONLY version SIM not available, not supported
WWAN (Data Service)	GSM/GPRS/EDGE/UMTS/HSPA/HSPA+/WCDMA/TD-SCDMA/TDD-LTE/FDD-LTE
WLAN Function	WIFI ONLY version SIM not available, not supported
Bluetooth	Wi-Fi 802.11a/b/g/n/r/ac (2.4G + 5G dual-band Wi-Fi), support fast roaming
GPS	Bluetooth 5.0, support BLE
	GPS/AGPS/BDS/Galileo/GLONASS/QZSS

NFC (standard)

Working Frequency	13.56 MHz
Reading Distance	Within 40 mm
Communication Protocol	ISO14443A/14443B/15693

Development Support

Programming Language	Java
Development API	Scan API (Scanning Development Kits), Device API (Device Management/Configuration Development Kits), Android Standard Interface
Development Tool	Eclipse/Android Studio

Accessories

Standard Accessories	USB cable*1, back strap *1, power adapter*1, battery*1
Optional Accessories	Power adapter(fast charging), 2-in-1 charging cradle, 4-slot charging cradle, multifunctional 5-slot cradle, hand strap, fanny pack, protective case, protective film

The information of products and software service may be subject to change without notice. Please contact your sales representative for the latest details.

SVOTON

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Each product comes with a pack of practical and cost-effective accessories

USB Cable

Type-C to USB cable, 1m in length, support charging and data transmission



CHA-USBC-GNR

Back Strap

Mounted on the back of the device, design for stable gripping, protect device from sliding accidentally

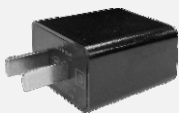


MNT-BS-Z36

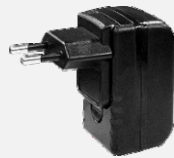
Power Adapter

Input voltage 100-240V, output 5V2A. Support plug types of China/Europe/UK/US/Australia, match with CHA-USBC-GNR

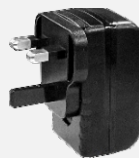
ps: select one of the available power adapters



CHA-PWAD-
GNR-5V2A-CN



CHA-PWAD-
GNR-5V2A-EU



CHA-PWAD-
GNR-5V2A-UK



CHA-PWAD-
GNR-5V2A-US



CHA-PWAD-
GNR-5V2A-AU

Battery

5000mAh, detachable, equipped with one battery.

PS: additional battery units are available for purchase



CHA-BTRY-Z36-5000MA

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Improve management efficiency of devices and operational level of enterprises

Battery

5000mAh, detachable, equipped with one battery.

PS: additional battery units are available for purchase



CHA-BTRY-Z36- 5000MA

Multifunctional 5-slot cradle

support maximum connection for 5 units of 2-in-1 bottom chargers

or 4-slot battery charging cradle, available power adapter types

are: China/Europe/UK/US/Australia

PS: select one out of the available power adapters



CHA-MCRD5S-GNR

2-in-1 charging cradle

support maximum charging of 1 main units and 1 battery at the same time. Support connection to multifunctional 5-slot cradle.

Available power adapter types: China/Europe/UK/US/Australia

ps: select one out of the available power adapters



CHA-BTC21-Z36

4-slot battery charging cradle

support maximum charging of 4 main units at the same time.

Support connection to multifunctional 5-slot cradle. Available

power adapter types: China/Europe/UK/US/Australia

ps: select one out of the available power adapters



CHA-CRD4B-Z36

Power adapter (fast charging)

Input voltage 100-240V, output 9V2A. Support plug types of China/Europe/UK/US/Australia, match with CHA-USBC-GNR

ps: select one out of the available power adapters



CHA-PWAD-GNR-9V2A-EU

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Z36 Optional Accessories for Portability

Accessories Guide

Improve device portability and comfort for users, boost working efficiency

Fanny Pack

Used to carry main units and other accessories. Can be tied to the waist or used as a crossbody bag



MNT-FP-GNR

Hand Strap

Wear on your wrist to carry the device, avoid accidental drops, and assure the safety of equipment



MNT-HS-GNR

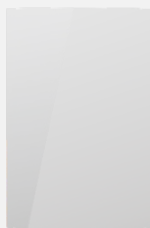
Z36 Optional Accessories for Protection

Accessories Guide

Lower risks of malfunction during usage, extend lifespan of devices

Protective Film

Protective film for touchscreen. It can protect the screen from cracking or being scratched in case there's any accidental drops or impact during usage



PRT-PTF-Z36

Protective Case

Protective case for the main unit. It can prevent the malfunction of main unit in case there's any accidental drops or impact during usage



PRT-PTC-Z36- RA



PRT-PTC-Z36- TA

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