IDZOR TECHNOLOGIES

Good ideas and best solutions

IDZOR Z-3000 Series

Industrial Handheld Data Collection Terminal OS Android

- Display 4" with Corning Gorilla Glass 3
- 1.3 GHz Quad-core processor, high-performance LPDDR3 RAM
- Ingress Protection Rating IP65
- Withstands a fall from a height of 1.5 m
- Lithium battery of high density of 5000 mA, extra-long battery life
- High-quality optical stabilization supports vector scanning
- A wireless local area network (WLAN) connection
- The PPT portable radio transmitter function does not depend on an Internet connection

Application areas of the Z-3000 series

Production
Regulation of distribution activities
Management of warehouse activities
Management of production line

E-Tailing
Store management
Mobile promotion
Management of warehouse
activities, and others

Express Transportation
Express delivery of documents
Management of transportation
Distribution centres/
Warehousing and other

Product characteristics

Robust construction

A strong, rugged enclosure is made using the GESabic945 material. The inside of the enclosure is fully equipped with a frame made of aluminum-magnesium alloy which provides dual strengthening and increases the strength of the product. High watertight-ness of the construction: thanks to the protection of P65 the product is not subject to the penetration of dust, dirt, moisture. Strength indicators show that the product can withstand a fall from a height of 1.5 meters and during the test withstood 1200 falls from a height of 0.5 meters. The display is made using the technology of Corning Gorilla Glass 3, strength exceeds 7H (the strength of tempered glass is 5H). Also, bonding technology is used, which has shown excellent results and enhanced image brightness.

High-quality two-dimensional reader head

A high-quality two-dimensional head is a proprietary design, constructed on the model, it combines all the modern tendencies of two-dimensional and one-dimensional systems of codification, it is able to support a part of the OCR barcode readers. High-quality optical stabilization, support for scanning in motion. Quickly reads barcodes with a variety of materials, it is able to read damaged barcodes, as well as barcodes from displays of various electronic equipment, also equipped with a more professional DPM reader head. The lifetime reaches up to 10 million times.

High battery capacity and low energy consumption

The standard package includes 5000 mA lithium-polymer high capacity battery, continuous operation time exceeds 16 hours (scanning is performed every 9 seconds, synchronization and data transfer is via Wi-Fi). LPDDR3 RAM with ultra-low power consumption transmits data up to 100% faster than the DDR2. The device is designed with the function of low power consumption, in standby mode power consumption is only 3 mA, the operating time in standby mode may reach up to 2 months.

Reliable wireless data transfer

IDZOR Z-3000 supports WCDMA technology, operating mode of wireless network 802.11 b/g/n, Bluetooth 4.0 and other methods of wireless data transmission. From design standards to production control, the whole working process is controlled via Wi-Fi, the device provides high speed data transfer via Wi-Fi, faster response, stable switching between the access points AP is implemented by optimizing the lower network layer. It guarantees users uninterrupted data transfer at any time. Equipped with GPS/AGPS, which allows to monitor the current location and direction of the equipment at any time.

Portable radio transmitter

The system of data transmission via PTT radio turns this device into multipurpose equipment. If Internet-connection is unstable, workers can easily and effectively communicate via Z-3000 device. The working frequency of 400-470M MHz maintains contact with professional portable radio transmitters of all famous brands, and the workspace has an open area of up to 3-5 kilometers.

Ergonomics

The device has a comfortable ergonomic enclosure that reduces fatigue during operation and improves work efficiency.

Z-3000	
Operating parameters	
Operating system	Android 4.4.2
Languages	By default - Chinese, supports many foreign languages
CPU	1.3 GHz Quad-core Cortex A7 processor
RAM	LPDDR3: 1 GB/2 GB, eMMC: 8 GB/16 GB
Memory card slot	32GB microSD Slot, supports SDHC, one SIM
Communications interface	In the bottom - 10 connector (USB, charger, Detect, GND), at the rear - 10 connector (UART, RFID, Power, GND)
Sensors	Light sensor, proximity sensor, gyroscope, e-compass, Hall sensor
Battery charging time	Full phone charging time <5 hours(USB), <3hours(on the base)
Operating time	14 hours
Standby mode	50 days
Reader	
Light source	Red LED 617 nm, lighting 6500K
Field of vision	39° (H) x 25° (V);
Permissible error in motion	Not more than 25 inches. (63 cm) per second;
Scanning angle	The slope angle is 360°, the angle of ascent is ± 60, the oblique angle is 65°
"RFID/NFC (optional)"	UHF RRD supports ISO 18000-6C/ISO 18000-6B Operating frequency: 860 MHz-960 MHz Supports the recognition range by 8 m (equipped with a MR2600 module) The operating time of the module MR500 - 12 hours, the operating time of the module MR2600 - 8 hours
Communications interface	
WLAN	IEEE 802.11 b/g/n (fast roaming)
WWAN	GSM: Band 2/3/5/8, WCDMA: Band 1/2/5/8
WPAN	Bluetooth 4.0 BLE
GPS	GPS/A-GPS

Communications interface	
Independent portable radio (optional)	Operating frequency is 400-470 MHz, pre-installed outdoors in China the frequency range supports Moto, Kenwood, and other frequently used networks for portable radios. In an open space, the range is up to 3 kilometers
Physical parameters	
Monitor	4" FWVGA (480*800); visibility in sunlight
Touch screen	GFF multi-touch, Corning/Dragontrail Glass
Webcam	8 MP, located on the rear panel
Charging connectors	1. Charging adapter; 2. Base connector
Battery	5000 mAh
Dimensions	201*62*26 mm
Weight	330 grams
Operating conditions	
Operating temperature	-20°C ~ +50°C
Storage temperature	-30°C ~ +70°C
Humidity	10% ~ 90% (no condensation)
Fall standards	It is acceptable to fall from a height of 1.5 meters onto a concrete floor
Frequency of falls	1200 times from a height of 0.5 m on a steel sheet
Watertightness	IP65
Electrostatic protection	contact discharge ±8 kV, air discharge ±15 kV
Vibration	Complies with USA military, standard MIL-STD 810G
Package	
Standard package	Power supply 5V/2A, charging adapter, wrist strap, monitor protective film
Standard package	Charging base, portable handle, quadruple charging station, carrying case, shoulder strap
Optional package	
	Warranty on the main unit is 1 year, battery, power supply, USB cable - 3 months