iData 28 Mobile Computer

Mini size, multiple uses

➢ Enterprise-class configuration

- Enterprise-class Android OS, supporting free customization, matching various commercial scenarios APP applications;
- Quad-core 1.3GHz high-performance processor, 8GB ROM + 1GB RAM large-capacity storage for smooth operation.

➢ Comprehensive data collection

- Equipped with industrial-class scanning engine, reading 1D/2D code in extreme speed, and easily coping with various inventory scenes;
- Equipped with RFID module which reads up to 50 electronic tags per second within the effective range.

➢ High speed and stable data transmission

- Enterprise-class Wi-Fi data communication, ensures fast and seamless roaming of equipment in high-frequency high-speed network environment;
- Supporting Bluetooth communication, low power consumption, fast connection.

➢ Light weight, reliable and durable

- Slim design, weighing only 160g, easier to carry around and longtime use;

- Equipped with 2700mAh large capacity battery, meeting continuous operation for 10 hours;
- Robust and reliable, meeting the drop standard of 1.5 meters high to the concrete floor.

System Configuration

CPU	Quad-core 1.3 GHz
Operating System	Android 8.1 Go
Memory（ROM+RAM）	8GB + 1GB
Display	2.4 inch， 320*240 high resolution
Touch Panel	Capacitive touch panel
Keypad	21 front keys, 2 side keys, Power key，total 24 keys
Battery	3.8 V 2700mAh rechargeable lithium polymer battery
Charging	supporting Type-C charging
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	G-Sensor

Structural Parameters

Dimensions (LxWxD)	150mm x 54mm x 18mm
Weight	166g (battery included)

Communication Transmission

Wireless LAN	Wi-Fi 802.11 a/b/g/n (Dual-band Wi-Fi: 2.4G+5G)
eSIM	Only available for China
Bluetooth	Bluetooth 4.2 LE

Operating Environment

Programming Language	Android Standard interface, Java, Secondary development SDK，API，DEMO

Operating Temp.	-20℃ ~ 60℃ (-4℉ ~ 140℉)
Storage Temp.	-40℃ ~ 60℃ (-40℉ ~140℉) battery included -40℃ ~ 70℃ (-40℉ ~158℉) battery not included
Relative Humidity	0 ~ 95% (non-condensing)
Drop Specification	1.5-meter drops to concrete ground (device in silicon case)
Electrostatic Discharge	Conforms to ±15 kV air discharge, ±8 kV direct discharge

2D Area Imager

Optical Resolution	≥ 3 mil
Rotating angle of view	360°
Scanning angle	tilt ±60°, deflection ±60°, Rotate 360°
Recognition speed	20 /s
Laser safety level	Class II
Image Resolution	844(H)×640(V)
Image frame rate	60fps
Light source system	White light, laser aiming
Minimum print contrast	20%
Supported Symbologies	Aztec Code , Codabar , Codablock F , Code 11 , Code 128 , Code 2 of 5 , Code 39 , Code 93 , Data Matrix , EAN/JAN-13 , EAN/JAN 8 , EAN-UCC Composite Codes , EAN-UCC Emulation , IATA Code 2 of 5 , Interleaved 2 of 5 , Matrix 2 of 5 , MaxiCode , MicroPDF417 , MSI , PDF417 , Postal Codes (Australian Post , British Post , Canadian Post , China Post , Japanese Post , Korea Post , Netherlands Post , Planet Code , Postnet) , Plessey Code , PosiCode , QR Code , RSS Expanded , RSS Limited , RSS-14 , TCIF Linked Code 39, Telepen , Trioptic Code , UPC-A , UPC-E, etc.

NFC

Frequency	13.56 MHz

Reading Distance	Within 30 mm
Protocol	ISO14443A/14443B/15693

Input/output Ports

USB Port	1 (Type-C USB port)

RFID

Protocol	ISO 18000-6C（EPC_ C1G2）
Frequency	902MHz -928MHz
Transmit power	0-10dbm
Reading Distance	0-20cm（Depending on the label）
Multi-label	50 tags/s

Accessories

Standard	USB cable，Hand strap
Optional	Carry Case, Power adapter