



# iData 70

Mobile Computer

## More durable and stable operation

### Working more efficiently through extremely speedy data collection

The latest industry-level scanning engine ensures high sensitivity and accuracy; Streamlined systematic data collection process results in an increased scanning speed; Scanning and verification can be done in one step thanks to the new design of ergonomic scanning angle; Data collection with NFC, GPS positioning, high-definition camera or by other means is supported, so as to enable professional, precise and efficient collection of business data.

### Data transmission becoming more efficient and timely

4G wireless communication across the entire network to meet the needs of on-demand network selection and to meet more complex scenarios; Dual-band Wi-Fi technology, enable free switch and transmission between two channel frequencies, and make the signal stronger and more stable; Bluetooth 5.0 transmission technology, the transmission speed is increased by 2 times, the effective working distance can reach 300 meters, and the transmission distance is faster and farther.

### Long-life battery supporting full-day operations

5000mAh li-polymer safe battery is used to support full-loaded operations; The use of low-energy-consuming chipset and optimized system result in more efficient and less energy-consuming operations; Fast recharging technology is adopted to shorten the recharging time by 40% and further extend the battery life.

### Support flexible and fast customization

Customizable button/shell/camera/Wi-Fi/RFID performance, etc. for customizable scenarios; Optional extended back clips on the back for ID/NFC/RFID.



## System Configuration

CPU	Octa-core 2.0 GHz/ Quad-core 1.3 GHz
Operating System	Android 10.0/ Android 6.0
Memory(ROM+RAM)	16 GB+2 GB (Support 32+3/64+4/128+6)/ 16 GB+2 GB
Expansion Slot	Micro SD card, up to 256 GB / 32 GB
ESIM	Optional
Display	4 inch, 800 x480
Touch Panel	Industrial-grade capacitive panel
Camera (optional)	8 MP (optional 13MP) autofocus camera in the back side , autofocus lens, LED flash/8 MP autofocus camera in the back side , autofocus lens, LED flash
Exit Window	Corning® Gorilla®glass
Keypad	20 front keys, 4 side keys, durable industrial IMD keypad with interior transmission light
Battery	3.8V 5000mAh rechargeable lithium polymer battery
Backup power	Optional
Audio	Built-in microphone / Type-C/ Built-in microphone/ Micro USB
Notification	Vibrator alerts/LED/Audio notification
Vibration Motor	Built-in programmable vibration motor
Sensor	Vibrating motor /G-Sensor/ Proximity sensor/Light sensor/Geomagnetic/ Gyroscopes G-Sensor/ Proximity sensor/Light sensor/Geomagnetic

## Structural Parameters

Dimensions (LxWxD)	159mm × 71mm × 20mm
Weight	262g (battery included)

## Communication Transmission

Wireless WAN (Network frequency)	Asia & Europe: 2G: B2/B3/B5/B8 3G: WCDMA: B1/B5/B8 CDMA BC0 TD-SCDMA: B34/B39 4G: FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE: B34/B38/B39/B40/B41 America: 2G: B2/B3/B5 3G: B1/B2/B4/B5 CDMA&EVDO: BC0/BC1(U.S.A) 4G: B1/B2/B3/B4/B5/B7/B12/B17/B28A/B28B/B41 Asia & Europe: 2G: B2/B3/B8 3G: WCDMA: B1/B2 CDMA&EVDO: BC0TD-SCDMA: B34/B39 4G: FDD-LTE: B1/B3/B7/B8/B20 TDD-LTE: B38/B39/B40/B41
Wireless WAN (Data service)	GSM/GPRS/EDGE/CDMA/UMTS/HSPA/HSPA+/EVDO/WCDMA/TD-SCDMA/ TDD-LTE/FDD-LTE
Wireless LAN	Wi-Fi 802.11a/b/g/n/r/ac (Dual-band Wi-Fi: 2.4G+5G)Wi-Fi 5G PA amplifier Wi-Fi 802.11a/b/g/n (Dual-band: 2.4G+5G)
Bluetooth	Bluetooth 5.0/ Bluetooth 4.0
GPS	Support :GPS/AGPS/BEIDOU/GALILEO/GLONASS/QZSS GPS/AGPS/BEIDOU/GLONASS

## NFC (Optional)

Frequency	13.56MHz
Reading Distan	Within 60 mm/ Within 10 mm
Protocol	ISO14443A/14443B/15693

## Operating Environment

Development Tools	Android SDK + JDK + Eclipse
Programming Language	Java
Operating Temp.	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temp.	-40°C ~ 60°C (-40°F ~ 140°F) battery included -40°C ~ 70°C (-40°F ~ 158°F) battery not included
Relative Humidity	0 ~ 95% (non-condensing)
Drop Specification	1.5-meter drops to concrete ground
Sealing	IP65
Electrostatic Discharge	Conforms to ± 15 kV air discharge, ± 8 kV direct discharge

## 1D Laser Scanner

Scan Precision	5mil
Rotate Angle	± 35°
Pitch Angle	± 65°
Skew Tolerance	± 50°
Ambient Light	Sunlight: 10,000ft. Candles (107,640Lux) Artificial Light: 450ft. Candles (4,844Lux)
Scan Frequency	104 ± 12 /sec
Laser Safety Grade	Class II

## 1D / 2D Area Imager

Scan Precision	3mil c39/128
Rotate Angle	360°
Pitch Angle	± 45°
Skew Tolerance	± 65°
Scan Frequency	1 scans /50ms
Laser Safety Grade	Class II
Image Resolution	844(H) × 640(V)
Image Frame	60fps
Light Source System	White light, laser aiming
Minimum Printing Contrast	20%

## Input / Output Ports

USB Port	1 (Type-C) , Support Type-C headset function/1 (Micro USB port)
Charger Port	1

## Accessories

Standard	Battery, Power adapter, Wrist strap, Hand strap, Bottom charging cable, USB cable
Optional	Single cradle, 4-slot cradle, 4-slot battery cradle, Carry case, Screen protector, Waist bag, Extended back clip Bottom charging cable