

BH-F3 long-range RFID handheld terminal

Leading 8–core processor, stronger performance

High–performance flagship octa–core CPU, main frequency 2.3GHz, gives it advanced functions and excellent performance experience, and can run various applications at high speed.

Precise scanning, fast, accurate, steady

The device integrates a high–precision QR code scanning engine that can quickly and accurately collect various 1D codes, QR codes, damaged barcodes, bent barcodes,screen codes and otheroptical graphic barcodes. At the same time, the design of the golden scanning angle makes the device scanning more convenient and easy. and scans wherever you point.

Industrial–grade rugged, more relaxed protection

The device has passed IP65 certification and effectively prevents water intrusion, dust, etc. It can handle operations in complex environments with ease. Significantly improve work efficiency, help work more smoothly. and make efficient work within reach.

Excellent RFID read and write performance

Support indoor and outdoor reading, and the reading distance can up to 20meters in an open outdoor environment. It also supports multi–tag group reading with a reading rate of 1300tgas/S. When there are , which improves RFID performanceby more than 60%.

Application

Industrial manufacturing

Warehouse management

Laundry management

Livestock management

File management

Tool management

Product parameters

Basic Parameter

Overall size	164 × 77.6 × 16 ± 2mm (handle and shield are not included)
Overall weight	420g
Display sereen	Tough 6 in.FHD 1080*2160
Touch screen	Support capacitive pen multi–touch
Expansion slot	1 sim slot, 1 TF slot
Interface	Type–c data interface
Indicator lamp	Charge indicator lamp
Keyboard	Scan/power/volume button
Camera	Front camera 5MP Rear camera 13 MP
Flashlight	Low power LED lighting emergency use
GPS	GPS(embedded A–GPS) accuracy of 10 m

Performance Parameter

CPU	Octa–core 64–bit processor, 2.3GHz
Storage	RAM:4GB ROM:64GB
Extended	Support MicroS （ max 256GB expansion ）
OS	Android 15
Data Communication	2G:GSM/GPRS/EDEG (GSM850/900/1800/1900) 3G:WCDMA(B1/B2/B4/B5/B8) 4G:LTE–FDD:B1/B2/B3/B4/B5/B7/B8/B12/B17/B20 LTE–TDD:B34/B38/B39/B40/41F
WIFI	2.4G/5G dual band.Comp;iance with IEEE802.11a/b/g/n/ac
Bluetooth	Bluetooth 5

Working Environment

Operating Temp	–10℃~50℃
Storage Temp	–20℃~70℃
Humidity	5%~95% (non–condensation)
IP rate	IP65

Battery Performance

Battery capacity	5050mAh built–in +5000mAh pistol battery
Standby time	About 720 hours after turn off all functions
Charging time	Less than 6 hours
Working hours	More than 15 hours (once full charge)

Barcode Acquisition(optional)

Scan engine	2D barcode Scanner
Supports 2D barcodetypes	All major 1D barcode
	PDF417, MicroPDF417, Composite, RSS, TLC–39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, Postal Codes,US PostNet, US Planet, UK Postal, Australian Postal,Japan Postal, Dutch Postal etc.

RFID (optional)

RFID NFC	Frequency 13.56MHz
	Protocol ISO14443A/B ISO15693, NFC–IP1,NFC–IP2,etc.
	R/w Range 0cm to 3cm
RFID UHF	Frequency 865~868MHz or 920~925MHz
	Protocol EPC C1 GEN2/ISO 18000–6C
	Antenna Gain Circular antenna(4dBi)
	R/w Range 20m(tags and environment dependent)

Attachment

Standard	1 lithium battery, 1 power adapter 1 Type–c charging cable