



蓝畅科技
BLOVEDREAM



N41U-B

UHF HANDHELD TERMINAL

4.0-inch HD Screen · Octa Core Processor · Excellent UHF Reader



Android



4G



WIFI



Bluetooth



UHF



1D barcode



2D barcode



SIM



NFC



Camera



GPS



Product Specifications

Performance

Octa Core	
CPU	MT6765X Octa core 64-bit 2.3GHz high-performance processor
RAM+ROM	2GB+16GB / 4GB+64GB
Expand memory	Micro SD(TF) Supports up to 128GB
System	Android 10.0/ Android 13.0

Data Communication

WLAN	Dual-band 2.4GHz / 5GHz, support IEEE 802.11ac/a/b/g/n/d/e/h/i/j/k/r/v protocol
WWAN	2G: GSM (850/900/1800/1900MHz)
	3G: WCDMA (850/900/1900/2100MHz)
	4G: FDD:B1/B3/B4/B7/B8/B12/B20 TDD:B38/B39/B40/B41
Bluetooth	Support Bluetooth 5.0+BLE Transmission distance 5-10 meters
GNSS	Support Gps, Galileo, Glonass, Beidou

Physical Specifications

Dimensions	201.8mm×72mm×140mm (Including the handle)
Weight	<750g (Depends on device function configuration)
Display	4.0 "color display with resolution 480×800
Screen brightness	>500cd/m2
TP	support multi-touch
Battery capacity	Rechargeable polymer battery 7.6V 3750mAh(Equal to 3.8V 7500mAh),removable
	Standby time >350 hours
Expansion Card slot	Charging time <3H, using standard power adapter and data cable
	NANO SIM card x2、TF card x1 (Optional PSAM)、 POGO Pinx1
Communication interface	Type-C 2.0 USB x 1, supporting OTG function
Speaker volume	>87db (test distance 10cm)
Audio	Speaker (mono), Microphone, Receiver
Keypad	38 soft and hard rubber buttons, left button x1, right button x1,handle scan button x1
Sensors	Gravity sensor, light sensor, distance sensor, vibration motor

Data Collection

Barcode Scanning (Optional)	
2D Scanning engine	Honeywell N5703 Zebra SE5500 Honeywell 6803
1D Symbolologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS,etc. Postal Codes:USPS Planet, USPS Postnet, China Post, Korea Post, Australian Postal, Japan Postal, Dutch Postal (KIX), Royal Mail, Canadian Customs,etc.
2D Symbolologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode, HanXi,etc.

Camera (Standard)	
Rear camera	800W pixel HD camera Supporting auto focus, Flash, Anti-shake, Macro shooting
Front camera	200W pixel color camera

NFC (Optional)	
Frequency	13.56MHz
Protocol	Support ISO14443A/B, 15693 agreement
Distance	2cm-5cm

UHF(Optional)	
Engine	Impinj Indy R2000/ Impinj E710
Frequency(CHN)	920-925MHz
Frequency(USA)	902-928MHz
Frequency(EHR)	865-868MHz (ETSI EN 302 208)
Frequency(Other)	Other multinational frequency standards (can be customized)
Protocol	EPC C1 GEN2/ISO18000-6C
Antenna	Circularly polarized antenna (+3dBi)
Distance	0-13m
Reading speed	>200 tags per second (circular polarization)

Language/Input Method

Input	English, Pinyin, Five strokes, Handwriting input, Support soft keypad
Language	Language packs in Simplified Chinese, Traditional Chinese, English, Korean, Japanese,Malaysian,etc.

User Environment

Operating temperature	-20℃ - 55℃
Storage temperature	-40℃ - 70℃
Environment humidity	5%RH--95%RH(no condensation)
Drop specification	6 sides supports 1.2 meters drops on the marble within the operating temperature
Rolling test	0.5m rolling for 6 sides, can still work steadily
Sealing	IP65

Accessories

Standard	Adapter, Data cable, Protective film, Instruction manual
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Special Note: Product data is for reference only and subject to change without notice. model：N41U-B Update：2025-6-24



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Company：Blovedream Technology Co., Ltd.
Official website: www.lckj.cn | www.blovedream.net National hotline: 0755-26072520
Address: 4th Floor, Building A, Phoenix Zhigu Building, Country Garden, Xixiang, Baoan District, Shenzhen