

A82

Slim & Flexible for Productivity

A82 is designed to provide flexible and efficient productivity applications for complex scenarios such as warehousing and manufacturing with a lightweight and compact design, and a flagship configuration and performance to provide flexibility and versatility



Dual Engine & Dual Camera

A82 is equipped with Newland CM60 Scan Engine ,dual-engines and dual-cameras. Both engines work at the same time and the two cameras can scan barcode at long and short focal length seperately, double speed, double efficiency, and accurately read all types of 1D/2D barcode.

Make Data Entry More Easily

With two input methods, enterprise keyboard and on-screen keypad, you can flexibly choose physical keys and screen according to your work needs, and you can also realize the joint application of on-screen keys to achieve an efficient combined input application experience.

Powerful Performance

Designed for maximum productivity , powered with Octa-core 2.0GHz chip, Android 11 OS, A82 is extremely fast,stable and powerful.

Enterprise-level Security OS

Customized for enterprise-level scenarios, OS is fully upgraded in efficiency and experience; enterprise-level equipment cloud management platform HMS provides professional equipment management, application and monitoring, and supports privatized deployment.

Ultra Slim Design

We innovative high-integration architecture design, is made of high-strength materials, strong and tough; the size of the form is designed to be compact and suitable for one-handed grip, which feels more dexterous.

Rugged

A82 has IP67 Sealing and is 1.5 m drop to concrete. It performs well in a wide range of environment temperature with anti-collision ,anti-vibration and dust-proof design.

Physical Characteristics	
Dimensions	160.5(H)×67(W)×17(T)mm 6.3(H)×2.6(W)×0.67(T)inch
Weight	8.57 oz./243 g (Batteries required, Depends on Product Configuration)
Display	4 in. 800(H)×480(W) WVGA industrial-grade IPS display
Imager Window	Corning® Gorilla® Glass
Touch Panel	Corning® Gorilla® Glass Capacitive touch panel, Support Water&Gloves Touch Mode
Backlight	450 NITS, LED
Power	Removable&Rechargeable 3.85V 5100mAh Lithium-ion battery
Expansion Slot	Micro SD Card slot, 256GB
Expansion Ports	2 Pin Rear connection: Trigger key signal 4 Pin Bottom connection: Charging port 5V/3A, Support USB communication and OTG mode
SIM Slots	2x Nano SIM
Notifications	Audible tone; multi-color LEDs; Vibration
Network Connections	WWAN, Wi-Fi, Ethernet cradle
Voice and Audio	Speaker, Receiver, Dual Mic
Keypad	26 key Numeric with FN keys, Supports on-screen keypad
Interface Ports	Bottom USB 2.0 OTG - host/client (Type-C)

Performance Characteristics	
CPU	Octa-core, 2.0GHz
Operating System	Android 11.0
RAM	2G/3G/4GB LPDDR3
Flash	16GB/32GB/64GB eMMC 5.1

User Environment	
Operating Temp.	Operating Temp.
Storage Temp.	Storage Temp.
Humidity	Humidity
Sealing	Sealing
Drop Specification	Drop Specification
Tumble Specification	Tumble Specification
Electrostatic Discharge (ESD)	Electrostatic Discharge (ESD)

Accessories	
Standard Accessories	Adapter Charger ×1, USB Type-C cable ×1, Rechargeable Battery ×1, Hand Strap×1
Optional Accessories	Single cradle, Snap on Trigger Handle(coming soon)

Interactive Sensor Technology	
Sensor	Proximity Sensor, Light Sensor, Accelerometer, Magnetometer, Gyroscope

Data Capture	
Scanning	Newland CM60 2D: 2D Standard range omnidirectional imager
Camera	Front 5 MP fixed focus; f/2.4 aperture Rear 13 MP auto focus; f/2.2 aperture; Flash LED
NFC	High RF output power; ISO15693, ISO14443A/B, MIFARE: Mifare S50, Mifare S70, Mifare UltraLight, Mifare Pro, Mifare Desfire, FeliCa Supported cards

Wireless WAN	
WAN Radio Frequency	TDD-LTE (B34/B38/B39/B40/B41) FDD-LTE (B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B19/B20/B25/B26/B28A/B28B/B30/B66) WCDMA (B1/B2/B4/B5/B6/B8/B19) TD-SCDMA (B34/B39) CDMA2000 1x EV-DO Rev. A BC0 (800MHz) CDMA 1x GSM/EDGE/GPRS (850/900/1800/1900)
Data Rate	GPRS: DL / UL 171.2 kbps EDGE: DL / UL 384 kbps CDMA1x: DL 153.6 kbps / UL 153.6 kbps EVDO: DL 3.1 Mbps / UL 1.8 Mbps DC-HSPA+: DL 42.2 Mbps / UL 11.5 Mbps LTE: DL 150 Mbps (CAT4) / UL 75 Mbps (CAT5)

GPS	
Positioning System	GPS with A-GPS: Glonass; BeiDou; Galileo

Wireless LAN	
Radio	IEEE 802.11 ac/a/b/g/n/d/e/h/i/j/k/r/v/w (2.4G/5G Dual band WIFI)
Data Rates	5 GHz: 802.11a/n/ac — up to 433 Mbps 2.4 GHz: 802.11b/g/n — up to 200 Mbps
Operating Channels	CH1-CH13, CH36-CH165
Security and Encryption	WEP, WPA/WPA2-PSK, WAPI, WAPI-PSK EAP: EAP-TLS, EAP-TTLS, PEAP-MSCHAPv2, PEAP-TLS, PEAP-GTC, PWD, SIM, AKA
Fast Roam	Supports 802.11r Fast Roaming

Wireless PAN	
Bluetooth	Bluetooth 4.1, Bluetooth Low Energy (BLE); secondary Bluetooth BLE beacon for finding lost (powered off) devices
Communication Distance	>10m