N70 SERIES MOBILE COMPUTERS

The N70 is a newly designed Mobile Computer that combines high performance with rugged durability. Operating on the Android 12 system, it offers an array of feature configuration options. Comes with the flexibility of selecting from multiple scanning engines, as well as hardware module interfaces for NFC, low-frequency RFID, and ultra-high-frequency RFID. Additionally, it offers specific feature modules that cater to various industries.

With its 5-inch display screen and high-capacity battery, coupled with 4G and dual-band WiFi capabilities, the N70 ensures a reliable user experience both indoors and outdoors.

Rayoungtek delivers personalized technical support, catering to your individual requirements for professional hardware solutions. Furthermore, we offer an SDK software development kit, providing technical support for secondary development.

Rugged design, passed tough drop and tumble tests. Can withstand 4ft/1.2M drop and over 1000 tumbles. IP66 Sealing, dustproof and waterproof. It can be used in high and low temperature working environment, without condensation in the humidity environment of 5% to 95%.

5-inch Display

Larger display screen, more convenient touch operation.Supports multi-touch, Work with wet hands and capacitive pens, even with gloves on.

3x Scan Buttons

There are 3x scanning buttons on the front and both sides of the fuselage, which can be held and operated with one hand, whether it is the right hand or the left and right hands.

Large-capacity battery provides longer-lasting work performance

5000mA Removable polymer lithium-ion battery, More than 12 hours working time, and more than 300 hours standby time.

Support secondary development

We provide a JAVA-based SDK secondary development kit and provide online technical support, so you can adapt your software program more easily.

The internal structural space of the fuselage supports more functional integration

The N70 fuselage has sufficient space redundancy to support the addition of more functional modules. PSAM, vibration measurement, temperature measurement and other industrial data acquisition needs can be customized functional modules.

OEM / ODM Service

Rayongtek also provide ODM/OEM product services. We have a complete supply chain for product development and mold making, and can provide flexible and fast solutions according to customers' non-standardized needs.

FLEXIBLE HARDWARE CONFIGURATION SCHEME, SUPPORT CUSTOM SCAN ENGINE AND MORE FUNCTIONAL MODULES

Choose the scan engine that best meets your actual needs

The N70 supports a variety of different types of scanning engines to meet your different working conditions.
1D Scan Engine - Zebra SE955
2D Scan Engine - Zebra SE4750 / Honeywell N5703 / *Zebra SE5500

*If you need a longer scanning distance, you can choose Zebra SE5500, the scanning distance can reach 32.81ft/10M

Support installation of NFC, low frequency RFID module

N70 supports optional NFC module and low frequency RFID module
NFC:Working frequency band: 13.56MHz Supported protocols: MifareClassic (MF1) NDEF, NfcV (15693), Ultraligh (MF0), IsoDep(quasi-CPU MF3), IsoDep (CPU) Reading distance 0-5cm (depending on the card type)
LF RFID: - LF RFID 125K / LF RFID 134.2K

Support extended UHF RFID module

N70 supports extended UHF RFID module, the reading distance is 1.64ft/0.5M to 49.21ft/15M

*The reading distance is based on the UHF RFID tag and the usage environment

Rayoungtek

For more detailed product information, please visit Rayoungtek.com

or send email to Marketing@rayoungtek.com

SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions	6.73 in. x 3.19 in. x 0.96 in. 171 mm x 81 mm x 24.4 mm The thickness of the scann window is 26.6mm
Weight	12.7 oz. / 360g with standard battery
Display	5 inch IPS High resolution 720 x 1280;LED backlight;Touch panel;
Touch Panel	Multi mode capacitive touch with bare or gloved fingertip input ; Water droplet rejection; fingerprint resistant anti-smudge coating
Power	Removable polymer lithium-ion battery, capacity: 5000mA 3.8V normal use time: more than 12 hours, standby time: 300 hours Use the standard power adapter and data cable to charge for 3-4 hours Support optional - fast charging, fully charged in 2.5 hours
Expansion Slot	User accessible MicroSD card supports up to 256GB
SIM	Standard SIM card
Network Connections	**WWAN** 2G: GSM (850/900/1800/1900MHz) 3G: GSM (850/900/1800/2100MHz) 4G - FDD: B1/B3/B4/B7/B8/B12/B20 4G - TDD: B38/B39/B40/B41 **WLAN** WIFI frequency: 2.4GHz & 5GHz WIFI protocol: 802.11 a/b/g/n/ac protocol **WPAN** Bluetooth V5.1
Notifications	Audible tone; multi-color LEDs; haptic feedback
Keypad & Buttons	On-screen keypad 3 x Scan Button (Front,left and right side) 2 x Programmable buttons(F1,F2)
Voice and Audio	Microphone,Speaker,Earpiece
Sensor	Gravity Sensor Light Sensor Distance Sensor Vibration Motor
GPS	GPS Glonass Galileo Beidou

USER ENVIRONMENT

Operating Temp.	-4 °F to 140 °F / -20 °C to 60 °C
Storage Temp.	-104 °F to 158 °F / -40 °C to 70 °C
Humidity	5% RH - 95% RH non condensing
Drop Specification	Multiple 1.2 m / 4 ft. drops (at least 30 times) to the concrete across the operating temperature range
Tumble Specification	1000 x 0.5 m / 1.64 ft. falls at room temperature
Sealing	IP67 per IEC sealing specifications
ESD	±10 KV air discharge, ±6 KV conductive discharge

PERFORMANCE CHARACTERISTICS

CPU	Helio P22 (MT6762) 8*A53 2.0GHz
Operating System	Android 12
Memory	4GB RAM / 64GB ROM

DATA CAPTURE

Scanning	**1D** Scan Engine Zebra SE955 **2D** Scan Engine Zebra SE4710 Honeywell N5703 Zebra SE5500 (Max Scan Distance to 10Meter)
Camera	**Front**: 5MP **Rear**: 13MP Auto focus, Flash LED
NFC	**NFC** (Optional) Working frequency band: 13.56MHz Supported protocols: MifareClassic (MF1) NDEF, NfcV (15693), Ultraligh (MF0), IsoDep(quasi-CPU MF3), IsoDep (CPU) Reading distance 0-5cm (depending on the card type) **LF RFID** (Optional) - LF RFID 125K - LF RFID 134.2K

SUPPORTED BARCODE FORMATS

1D Symbologies	UPC,EAN,Bookland EAN,UCC Coupon Code,ISSN EAN, Code 128,GS1-128,ISBT 128,Code 39,Trioptic Code 39,Code 32, Code 93,Code 11, Interleaved 2 of 5,Discrete 2 of 5,Codabar,MSI,Chinese 2 of 5,Korean 3 of 5,Matrix 2 of 5,Inverse 1D,GS1 DataBar,Com- posite Codes
2D Symbologies	PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode, QR Code,MicroQR,QR inverse,Aztec,Aztec Inverse, Postal Codes: US Postnet, US Planet,UK Postal, Australian Postal, Japan Postal, Netherlands KIX Code,USPS 4CB/One/Intelligent Mail,UPS FICS Pstal

SUPPORT FOR ADDITIONAL EXTENDED FEATURES (OPTIONAL)

PSAM	PSAM - ISO7816, Support 2 PSAM Card
Vibration Measurement	- Speed 0.1-199.9m/s -S2 Acceleration 0.1-199.9mm/s -Displacement 0.001-1999 μm
UHF RFID	0.5-15 meters (depending on the label, environment and module)

The N70 supports the aforementioned extended features; however, they are not included as standard optional configurations. If your enterprise requires these extended functionalities, please get in touch with our technical consultant. Support@rayoungtek.com

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