

## N77S SERIES MOBILE COMPUTERS

The N77s 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 Reader. Additionally, it offers specific feature modules that cater to various industries.

**Ultra-thin** With its **6-inch display Screen** and high-capacity battery, coupled with 4G and dual-band WiFi capabilities, the N77s ensures a reliable user experience both indoors and outdoors.

**ENGONUS** 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.



## ULTRA-THIN & HIGH PERFORMANCE SCAN ENGINE

Choose the scan engine that best meets your actual needs

**2D Scan Engine** - Zebra SE4710  
- Honeywell N5703

Support installation of NFC Reader

**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)

**Note:** Android is a trademark of Google LLC.,  
Zebra is a trademark of Zebra Technologies Corp.,

Honeywell is trademark of Honeywell International Inc.  
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The use of accessories from the aforementioned brand in our equipment or adapting to the standards of the mentioned company does not imply that we are a product of the aforementioned company.

**Rugged design**, passed tough drop and tumble tests. Can withstand 4.9ft/1.5M drop and over 1000 times tumbles. **IP67** 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%.

### 6-inch Display

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

### 2x Scan Buttons

There are 2x scanning buttons on the 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

4850mAh Removable polymer lithium-ion battery, More than 12 hours working time, and more than 300 hours standby time.

### Ultra-thin

Thickness is only 17mm, easy to carry

### 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.

### OEM / ODM Service

**ENGONUS** 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.

# ENGONUS

For more detailed product information,  
please visit [engonus.es](http://engonus.es)

or send email to [info@engonus.es](mailto:info@engonus.es)

### SPECIFICATIONS

PERFORMANCE CHARACTERISTICS	
Dimensions	6.81in. x 3.11 in. x 0.67 in. 173 mmx 79 mmx 17 mm
Weight	12.35 oz. / 350g with standard battery
Display	6.0 inch IPS High resolution 720x1440; LED backlight; Touch panel;
Touch Panel	Multi mode capacitive touch with bare or gloved fingertip input ; Waterdroplet rejection; fingerprint resistant anti-smudge coating
Power	Removable polymer lithium-ion battery, capacity: 4850mAh 4.3V 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 2.5hours
Expansion Slot	User accessible MicroSDcard supports up to 256GB
SIM	Standard SIMcard
Network Connections	<b>WWAN</b> 2G: GSM(850/900/1800/1900MHz) 3G: GSM(850/900/1800/2100MHz) 4G- FDD: B1/B3/B4 4G- TDD: B38/B39/B40/B41  <b>WLAN</b> WIFI frequency: 2.4GHz & 5GHz WIFI protocol: 802.11 a/b/g/n/ac protocol  <b>WPAN</b> Bluetooth V5.1
Notifications	Audible tone; multi-color LEDs; haptic feedback
Keypad & Buttons	On-screen keypad 2x Scan Button (Left and Right side)
Voice and Audio	Microphone, Speaker, Earpiece
Sensor	Gravity Sensor Light Sensor Distance Sensor Vibration Motor
GPS	GPS Glonass Galileo Beidou

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PERFORMANCE CHARACTERISTICS	
CPU	Helio P22 (MT6762) 8*A53 2.0GHz
Operating System	<b>Android 12.0</b>
Memory	4GB RAM / 64GB ROM <b>Optional:</b> 8GB RAM / 128GB ROM

DATA CAPTURE	
SCANNING	<b>2D Scan Engine</b> Zebra SE4710 Honeywell N5703
CAMERA	Front: 5MP Rear: 13MP Auto focus, Flash LED
NFC	<b>NFC</b> Working frequency band: 13.56MHz  <b>Supported protocols:</b>  MifareClassic(MF1) NDEF, NfcV(15693), Ultraligh (MF0), IsoDep(quasi-CPUMF3), IsoDep (CPU) Reading distance 0-5cm(depending on the card type)

SUPPORTED BARCODE FORMATS	
1D Symbolologies	UPC, EAN, Bookland EAN, UCC Coupon Code, ISSN EAN, Code 128, GS1-128, ISBT128, 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, Composite Codes
2D Symbolologies	PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode, QR Code, MicroQR, QR inverse, Aztec, Aztec Inverse,  <b>Postal Codes:</b> US Postnet, US Planet, UK Postal, Australian Postal, Japan Postal, Netherlands KIX Code, USPS 4CB/One/Intelligent Mail, UPS FICS Postal

USER ENVIRONMENT	
Operating Temp.	-4 °F to 140 °F / -20 °C to 50 °C
Storage Temp.	-104 °F to 158 °F / -40 °C to 70 °C
Humidity	5% RH - 95% RH non condensing
Drop Specification	Multiple 1.5m/ 4.9 ft. 6 sides and 4 corners can withstand a drop of 1.5 meters concrete across the operating temperature range
Tumble Specification	1000 x 0.5m/ 1.64 ft. Continuous rolling of 1000 wheels for 0.5 mand stable operation after rolling of 6 contact surfaces
Sealing	IP67 per IEC sealing specifications
ESD	±10 KV air discharge, ±6 KV conductive discharge

The N77s 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@engonus.es](mailto:support@engonus.es)