NAUTIZ X81

Built to last

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If you're working outdoors, you need tech that's limitless. Powerful and purpose-built — a device that can go anywhere and accomplish anything you need to do there. Introducing the Nautiz X81, an ultra-rugged handheld with full numeric keypad, designed gather data in extreme environments.

IT ALWAYS STARTS WITH THE SCREEN

It's the fondest wish for outdoor work: a screen you can actually see. Thanks to unique display technology, the Nautiz X81's screen delivers the best of both worlds: a truly sunlight-readable screen that's not a battery drainer. No more cranking up the brightness to see your screen, only to watch your battery indicator plunge.

WHAT WILL LONGER LAST: YOU OR YOUR HANDHELD?

Get ready to enjoy a new standard for in-the-field battery life. Helped by the efficient screen technology, the mighty power pack in the Nautiz X81 can work long hours, just like its users. Charge it via pogo-pin docking or using the fast-charging USB-C to get it ready to go in no time.

ACCURATE LOCATION DATA

The Nautiz X81 has a dedicated multi-band u-blox receiver for fast and accurate location data. The GNSS antenna supports GPS, GLONASS, Galileo and BeiDou as well as SBAS, so foresters, GIS field technicians and other mobile crews can rely on the Nautiz X81 for reliable performance. Plus, an optional Real Time Kinematic (RTK) receiver offers centimeter-level accuracy for improved precision and time savings for surveying and mapping.

TOPLINE TECHNOLOGY

The Nautiz X81 brings the best technology to the work party. Its stout performance platform delivers great RAM memory and storage, flawlessly integrating graphics, and storing heavy data without a hitch. The Nautiz X81 runs Android 12 and is Android Enterprise Recommended (AER). It offers 5G performance while also operating on 4G/LTE if needed. It has both BT and NFC to connect with devices nearby.

RUGGED ENGOUGH FOR TRUE OUTDOOR WORK

This is a truly rugged performer, by any measure. Water and dust? The Nautiz X81 is rated IP67: waterproof and dust-tight. Temperature extremes? The Nautiz line has excelled in the scorching Australian Outback and bitter cold of Mt. Everest; it's reliable to -30°C to 60°C (-22°F to 140°F). Drops, vibrations, shocks, humidity? Bring it on: This mean machine meets MIL-STD-810G military performance standards for rugged operation.

DESIGNED TO ADAPT AND EXPAND

This ultra-rugged handheld lets you be productive in challenging work environments. And the versatile design lets you add barcode scanning, or even take advantage of 3rd party solutions using the handy expansion cap system. Plus, an entire accessory ecosystem ensures that you have what you need to use the Nautiz X81 in your specific work routine.

Version 1.2

Dimensions	191 mm x 79 mm x 34 mm
Weight	490 g (17.3 oz)
Processor	MediaTek i350, 4 cores 2.0 GHz
Graphics	Arm Mali-G52 MC1
RAM and Storage	4 GB/64 GB
Operating System	Android 12 (GMS) Android Enterprise Recommended
Display	4.8" capacitive multi-touch 720 x 1280 pixels Sunlight readable Glove/rain mode
Buttons	
Front	Numeric keyboard, F1, F2, power
Side	Volume up/down
Battery	3.6V 6600 mAh (23.76 Wh) Field replaceable
Ports	Fast charging Type-C, OTG USB A host RS232/RS422/RS485 Top connector for expandability Docking connector 1x micro SDXC 1x nano SIM
Communication	
Cellular (WWAN)	5G (n1,3,5,7,8,20,28,38,40,41,75,76,77,78) 4G/LTE (B1,3,5,7,8,20,20,32,38,40,41,42,43))
WLAN	2.4GHz and 5GHz 802.11a/b/g/n/ac
PAN	BT 5.0 LE compatibele with 2.1 EDR
NFC	13.56 MHz ISO 14443A/B, ISO 15693
Audio	Rear-facing speaker Microphone
Positioning	Dedicated u-blox NEO-M8U GNSS receiver GPS/GLONASS/Galileo/BeiDou/QZSS, SBAS
Cameras	
Rear	13 megapixel with autofocus and flash
Front	5 megapixel
Sensors	Accelerometers Gyroscope, Magnetometer Pressure Proximity Ambient temperature, Ambient light
Environment	
Operating	-30°C bis 60°C MIL-STD-810G, Method 501.5/502.5 Procedure II, III
Storage	-40°C bis 70°C MIL-STD-810G, Method 501.5/502.5 Procedure I
Drop / Shock	26 drops from 1,5 m to concrete MIL-STD-810G, Method 516.6 Procedure IV
Vibration	MIL-STD-810G, Method 514.6 Procedure I
Sand / Dust	IP67, IEC 60529
Water	IP67, IEC 60529
Humidity	0 - 95% (non-condensing) MIL-STD-810G, Method 507.5 Procedure II
Altitude	4.572 m MIL-STD-810G, Method 500.5 Procedure I
Options	Options and accessories on request