



Datasheet Nautiz X21

More durable. More powerful. Still compact.

V1.0, EN

Lightning-fast connectivity

The Nautiz X21 is designed to keep your business ahead with 5G technology and a high-end industrial chipset, ensuring rapid data transmission and low latency.

Enhanced design for outdoor excellence

Based on the lightweight design of our popular Nautiz X2, the Nautiz X21 features a larger screen, an integrated hand-strap, Google GMS, and it is Android Enterprise Recommended. Workers can enjoy a bright display that allows interaction with gloves or wet fingers, superior barcode scanning, and a high-resolution camera to capture site images for enhanced task accuracy and productivity.

More durable than ever

The Nautiz X21 is built to withstand the harshest conditions with IP65 and IP68 ratings, MIL-STD-810H testing, new bumpers for added protection, and a 1.8-meter drop resistance. It's your reliable partner for a range of industries such as field service, forestry, GIS, logistics, utilities, waste management, and more.

User-friendly and customizable

Programmable buttons let you tailor the device to your workflow, providing quick access to essential functions. The Nautiz X21 adapts perfectly to your needs, ensuring ease of use for enhanced efficiency straight out of the box.

Effortless device management

With the Nordalp Mobile Device Management system, you can manage your devices effortlessly from a central location. Deploy, configure, and maintain your devices with ease, ensuring they are always up-to-date and functions the way you want them to.

Reliable longevity and support

Our service and support packages ensure your Nautiz X21 performs at its best throughout its lifecycle. From setup and training to ongoing technical support and future OS updates, your operations will keep running smoothly for years to come.

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Dimensions

167 mm x 75.5 mm x 17 mm
170 mm x 80 mm x 24 mm (with bumpers)

Weight

295 g

Processor

Qualcomm Snapdragon™ 6490 Processor,
64bits, Octa-Core up to 2.7 GHz
AI Engine, 6th generation

Graphics

Adreno 643 GPU
RAM and Storage
6 GB / 64 GB

Operating System

Android 14 (GMS)
Android Enterprise Recommended

Display

6.3" Color LCD
1080×2340 (FHD+) High Resolution Display
High sunlight visibility- LCD backlight up to 500 nits
Gorilla Glass with Multi-Touch Capacitive Touch
Panel, support stylus, glove, wet-finger Compatibility

Buttons

Side

Programmable key, Volume up/down key, Left/Right scan key, Power key

Battery

5100mAh Li-ion battery
Hot-swappable for up to 1 minute

Ports

USB 3.1 type C, supports fast charging, OTG, Display Port
Ethernet via dongle or cradle
Nano SIM Slot x 2
Micro SD x 1, up to 1TB
Bottom pogo pins for charging in cradles
Rear pogo pins for expansions

Communication

Cellular (WWAN)

5G:n1/n2/n3/n5/n28/n41/n71/n77/n78/n79 (4×4 MIMO)
4G LTE(FDD) – Bands 1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 28
(TDD) – Bands 38, 39, 40, 41, 71
3G UMTS/HSPA+ – Bands 1, 2, 5, 8
2G GSM/GPRS/EDGE (850/900/1800/1900 MHz)
*Supports Dual Sim Dual 5G
*Supports 4G LTE Advanced , Up to CAT12 LTE downlink/uplink

Wireless LAN

Wi-Fi 6E+DBS, 2.4GHz & 5GHz & 6GHz
IEEE 802.11a/b/g/n, ac/ax, e/k/r/v/u
PMKID (2×2 MU-MIMO)
Security WPA3, WPA2

PAN

BT 5.2, BLE 5, Class 1.5

NFC

13.56 MHz
ISO14443A/B, ISO15693, Mifare, Felica (ISO/IEC18092)

Audio

Speaker 1.5W. 100 dB at 10cm
Dual-Microphone support noise cancellation

Positioning

GPS, Galileo, GLONASS, Beidou, QZSS, SBAS
Supports L1+L5, a-GPS,XTRA

Cameras

Rear

16 megapixel with auto-focus and flash

Front

5 megapixel

Sensors

Gyroscope
G-sensor
E-compass
Light & Proximity Sensor

Data collection

Built-in 2D imager N6703SR/N6803FR (Optional)

Environment

Operating

-20°C to 55°C (-4°F to 131°F)
Charging: 0°C to 45°C (32°F to 113°F)

Storage

-40°C to 70°C (-40°F to 158°F), without battery

Drop / Shock

MIL-STD-810H:2019 Method 516.8/ Procedure IV, 1.2m (4ft)
Drop tested from 1.8m/1.5m with bumpers

Vibration

MIL-STD-810H:2019, Method 514.8, Procedure I
Tumble tested 300 cycles (0.5m/1.6 ft.)

Sand / Dust

IP65 & IP68 per IEC 60529

Water

IP65 & IP68 per IEC 60529

Humidity

MIL-STD-810H:2019, Method 507.6, Procedure II - Aggravated Cycle 95%RH

Options

For options and accessories, please see www.nordalp.com/en/products/nautiz-x21



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