



Datasheet Nordalp X6 Pro

The ultra rugged 5G Android phablet

V1.2, EN

If you could take the high-visibility functionality of a tablet and the go-anywhere performance of a rugged handheld and combine them, you'd end up with one device that could take you through your workday with ease. Fortunately for you, this state-of-the-art solution already exists: it's the Nordalp X6 Pro 5G ultra-rugged Android phablet.

Small profile, big impact

The Nordalp X6 Pro brings the best of a conventional tablet and a traditional rugged handheld in a single device. It has the large-screen functionality of a tablet, with the work-anywhere ruggedness of a handheld. Enjoy an expansive 6-inch touchscreen display that's sunlight-readable and protected by super-hardened Gorilla Glass. And this winning combination is still lightweight and super slim, making it a perfect rugged phablet to easily bring anywhere.

Real-world capabilities in the rugged world

The Nordalp X6 Pro ultra-rugged Android phablet is ideal for rough-and-tumble applications like surveying and GIS, with a superior GNSS receiver for precise, continually available position and time information. In the warehouse, read NFC tags, or use one-button scanning to track virtually anything. The high-res rear/front cameras capture detailed images, and an array of sensors carry the load for a multitude of tasks. The Nordalp X6 Pro fits perfectly in your mobile workforce — whether you are in utilities, foodservice, field service, GIS, warehousing, or logistics.

Designed specifically for outdoor work

Field workers need a tool that can handle the job anywhere, and last as long as the shift does. The ultra-rugged Nordalp X6 Pro has both covered. It meets a wide range of the MIL-STD-810H test standards for operating in extreme temperatures, handling drops, vibrations, humidity and altitude. An IP68 rating means that the Nordalp X6 Pro is fully dust- and waterproof. And it's got serious staying power; the robust user-replaceable battery can work even multiple shifts on a single charge.

Android 14 and GMS

The Nordalp X6 Pro runs on Android 14 and comes with Nordalp's software suite for smooth deployments over large enterprises. Just like all Nordalp rugged computers, the Nordalp X6 Pro is an amazingly versatile communication tool. Choose from a broad spectrum of communication technologies, including WLAN, cellular (WWAN), BT and NFC. Workers can connect to each other or the back office, sending, accessing and sharing data and reports seamlessly throughout the workday.

Rugged accessories for efficiency

With a long list of options and accessories, you can configure the Nordalp X6 Pro for your specific field work needs. Add a 2D imager or accessories like vehicle docks, pole mounts, stylus pens and more to customize your rugged Android phablet to get the job done easier, faster and more efficiently.

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Dimensions

194 mm x 93 mm x 15 mm

Weight

390 g

Processor

Qualcomm® QCM4490 Octa-Core,
2 x Gold A78@2,4 GHz, 6 x Silver
A55@2,0 GHz

RAM & Storage

8 GB / 128 GB

Operating System

Android 14 (GMS)

Versions Upgrade

Nordalp OTA Service (NOTAS)

Display

6" IPS capacitive multi-touch (10
points)
1080 × 1920 pixels
Sunlight readable
Glove/rain mode
Corning® Gorilla® Glass 3

Buttons

Front

F1, F2, F3, Power

Side

FN, Volume up/down

Battery

3.8V 8000 mAh (30.4 Wh), field repla-
ceable

Ports

Type-C, Qualcomm quick charge 3.1,
OTG
Back connector for expandability
1x micro SDXC (supports SDXC up to
1TB)
2x Nano-SIM (DSDS)

Communication

Cellular (WWAN)

GSM: 850/900/1800/1900
WCDMA:B1/B2/B5/B8
LTE-TDD:B38/39/40/41
LTE-FDD: B1/2/3/4/5/7/8/12/13/14/17/
20/25/26/28/48/66/71
5G: FR1 N1/2/3/5/20/28/41/48/66/71/
77/78/79

Wireless LAN

IEEE 802.11 a/b/g/n/ac/ax (2.4 & 5 GHz,
WiFi 6E)

PAN

BT V5.2 BLE

NFC

NFC 13.56 MHz, work distance ≥ 3cm
support
ISO/ 14443 A/B, ISO/ 15693, NFC- IP1,
NFC-IP2
M1 Card(S50, S70) , CPU Card, NFC
Label

Audio

Headphone support via Type-C
Front-facing speaker, >95dB at 1 kHz,
10 cm
2 microphones for noise suppression

Positioning

A-GPS / GPS L1+L5 / GLONASS / Galileo /
Beidou
Qualcomm

Cameras

Rear

32 megapixel, double white LED flash

Front

8 megapixel

Sensors

Gyroscope, Compass, Accelerometer,
Pressure, Proximity, Ambient light

Environment

Operating

-20°C to 60°C
MIL-STD-810G, Method 501.5/502.5
Procedure II

Storage

-40°C to 70°C
MIL-STD-810G, Method 501.5/502.5
Procedure I

Drop/shock

6 drops from 1.5m, concrete surface
IEC 68-2-32:1990

Vibration

MIL-STD-810H:2019 Method 514.8/
Procedure I

Mechanical shock

MIL-STD-810H:2019 Method 516.8/
Procedure I

Sand and Dust

IP68, IEC 60529

Water

IP68, IEC 60529

Humidity

0% ~ 95% (non-condensing)
MIL-STD-810G, Method 507.5 Proce-
dure II

Altitude

4572 m (15 000 ft.)
MIL-STD-810G, Method 500.5 Proce-
dures I & II

EMC/EMI

MIL-STD-461F: CE101, CE102, CS101,
CS114, CS115, CS116, RE101, RE102,
RS101, RS103

Certifications

FCC, IC, RCM, CE (RED), RoHC 2.0,
REACH, WEEE

Options

For options and accessories, please
see [www.nordalp.com/en/products/
x6-pro](http://www.nordalp.com/en/products/x6-pro)



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