

MilDef NX21



6.3" End User Device

The MilDef NX21 is designed to keep your unit ahead with 5G technology and a high-end industrial chipset, ensuring rapid data transmissions and low latency.

Enhanced design for outdoor excellence

MilDef NX21 has a large screen, an integrated hand strap, Google GMS, and it is Android Enterprise Recommended. Users 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.

Guaranteed performance

All MilDef products come with comprehensive lifecycle sustainment support to ensure your equipment maintains peak performance for many missions to come. We also guarantee the availability of spare parts for 5 years after product end-of-life.

Features

- Android™ OS
- 6.3" display
- 5G Connectivity
- Water and dust resistant (IP65 / IP68)
- Hot swappable battery

MilDef NX21

Technical Specification

Case	Plastics (Black)
CPU	Qualcomm Snapdragon™ 6490 Processor, 64 Bit, Octa Core, 2.7 GHz
Display	6.3" FHD+ (1080 x 2340) Brightness: 500 nits (Typical)
Touch screen	Capacitive multi touch (Stylus, glove, wet-finger compatibility)

Software

Operating system	Android 14 (GMS with AER)
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Memory

RAM	6 GB
Storage	Embedded 64 GB ROM (eMMC)
External storage	Up to 1 TB Micro SD

Graphics

GPU	Adreno 643 (integrated)
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Battery

Standard	3.85 V / 5,100 mAh Li-Ion (Hot-swappable)
Extended	3.85 V / 7,700 mAh Li-Ion (optional)

Sound

Audio	HD Audio and mono speaker
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Communications

WWAN	5G: n1/n2/n3/n5/n28/n41/n71/n77/n78/n79 4G LTE: FDD Bands 1, 2, 3, 4, 5, 7, 8, 12, 20, 28 TDD Bands 38, 39, 40, 71 3G UMTS/HSPA+: Bands 1, 2, 5, 8 2G GSM/GPRS/EDGE: 850/900/1800/1900 Mhz
WLAN	IEEE802.11 a/b/g/n/ac/ax
PAN	Bluetooth 5.2, BLE 5. Class 1.5
NFC	13.56 Mhz, ISO14443A/B, ISO15693, Mifare, Felicia (ISO/IEC18092)
GNSS	GPS, Galileo, GLONASS, Beidou, QZSS, SBAS Supports L1+L5, a-GPS, XTRA

Interfaces

USB	1x USB 3.1 Type C
Ethernet	Through dongle
Slots	2x Nano SIM 1 x Micro SD
Charging port	POGO pins for charging in cradles
Expansion port	POGO pins for expansion

Cameras

Rear	16 MP with auto-focus and flash
Front	5 MP

Size & Weight

Dimensions	170 x 80 x 24 mm (6.69 x 3.15 x 0.94 in)
Weight	~ 295 g (0.65 lbs.) (depending on configuration)

Temperature range

Operating ¹	-20 °C to +55 °C (-4 °F to +131 °F)
Storage	-40 °C to +70 °C (-40°F to +158°F)

Power

Power input	5 V _{DC} via USB Type C or through pogo pins
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Standards

CE / FCC / UKCA	Yes / Yes / Yes
REACH / RoHS	Yes / Yes
Environment	MIL-STD-810H IP65 / IP68 per IEC 60529

Warranty

Warranty	5 years
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Customization

Need anything not included in the data sheet? Please contact your MilDef sales team member to find the best solution for your requirements.

¹⁾ Achieved with DC-in connected

Accessories & Options

Mounting & transport

Vehicle dock 12-24 V_{DC}

Suction mount for vehicle dock

Bags

Please get in contact with your MilDef sales office for options

Batteries

Standard batteries

Extended batteries

Chargers

Single slot charger

5-Slot cradle charger