

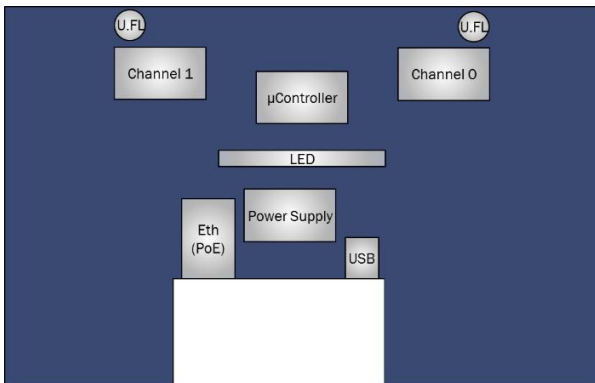
nanoANQ XT V2 RTLS Anchor

High throughput location and monitoring solutions

Flexible Monitoring and Location Solutions

The *nanoANQ XT V2 RTLS Anchor* has been developed for use with nanotron's high throughput location and monitoring solutions in harsh environments. Together with nanoLOC based tags and Nanotron's Location Server, it forms the basis for location-aware monitoring and management solutions.

At only 180 mm x 154 mm x 19 mm the compact design simplifies system deployment. It features two U.FL connectors to link antennas and an Ethernet port with PoE to connect to the transport network. Through its air interface, the *nanoANQ XT V2 RTLS Anchor* supports bidirectional payload exchange between the Location Server and individual tags.



nanoANQ XT V2 RTLS Anchor Block Diagram

Services and functionality can be updated by simply upgrading the firmware of the anchor

The device provides a power amplifier that is adjustable from 0 to +19 dBm for robust range, wide area coverage and in compliance with regulations.

Easy to install and maintain, the anchor is configurable by software remotely via a TCP/IP connection.

Key Features

- Location acquisitions > 250 Hz
- Typical range in mining tunnel 100 - 300m*
- Typical location accuracy 1-3 m
- Minimum RTLS infrastructure > 6 nanoANQ XT
- RF technology Chirp Spread Spectrum (CSS)
- Power supply PoE (rec.) USB (opt.)
- RF output power Configurable 0 to +19 dBm
- Operating temperature range -30 to 65 °C
- Transport Network Ethernet 100 base TX
- Receive sensitivity (80MHz/1μs) -88 dBm
- Dimensions 180 mm x 154 mm x 19 mm
- Weight 495 g
- IP Addressing Automatic, DHCP
- White LED Band Controlled through nanoLES API
- 3 color status LED Controlled through API

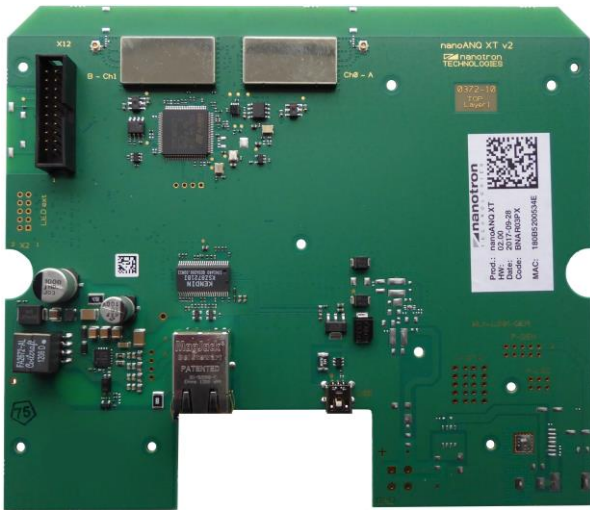
* Depends on topology and antenna

Power Supply

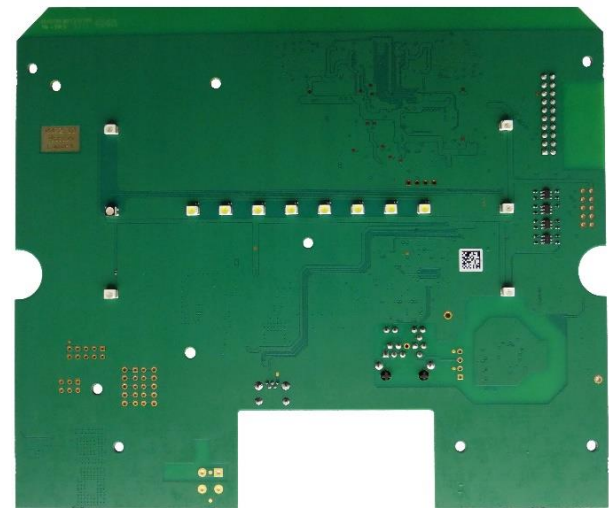
The preferred power supply is via Power-Over-Ethernet (PoE). Optionally, the USB port can be used as alternative power source as long as enough measures against surge and lightning have been taken.

nanoANQ XT V2 Board

Apart from the above mentioned PoE and U.FL connectors the board has several LEDs which can be freely programmable or used to display the transmission status.



nanoANQ XT V2 board top



nanoANQ XT V2 board bottom

Ordering Information

The Anchor is available complete with housing and antennas with optional mounting accessories.

Number	Description
KNRINT03XT	RTLS Integration Kit V2, 8 x BNA03PX incl. nanoLES 3 license
BNO2SWBTP5	Tag Pack: 5 swarm bee LE V2 DK+ Board
BNA03PX	nanoANQ XT V2, PoE and U.FL
KNO1TB3	nanotron Toolbox 3

About Nanotron Technologies GmbH

Nanotron is a leading provider of electronic location awareness solutions. If knowing what, where and when is mission-critical to your business, rely on nanotron with Location Running. Nanotron's solutions deliver precise position data augmented by context information in real-time. Location Running means, reliably offering improved safety and increased productivity, 24 hours a day, 7 days per week: Location-Awareness for the Internet of Things (IoT).

Further Information

For more information about products from nanotron Technologies GmbH, contact a sales representative at the following address:

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