

ALERTEX

NXER WIRELESS REPEATER



Extend the reach of your ALERTEX wireless critical alert system.

The NXER repeater is designed to relay ALERTEX wireless transmissions, helping overcome difficult building layouts, large sites and areas where direct radio communication is not practical.

Configured as part of the ALERTEX mesh network, repeater units can pass messages between ALERTEX devices to increase overall coverage.

KEY FEATURES

- Dedicated wireless repeater for ALERTEX systems
- Up to 1 km line-of-sight transmission range per mesh hop
- Supports multi-hop wireless networking for extended coverage
- Battery powered – no mains wiring required
- Robust IP66 weather-rated enclosure for external applications
- Designed for rapid deployment with no interconnecting cabling

TECHNICAL SPECIFICATIONS

Product	ALERTEX NXER Wireless Repeater
Radio frequency	434.525 MHz
Transmission power	10 mW
Wireless range	Up to 1 km line of sight per mesh hop
Mesh networking	Repeating / relay capability; up to 16 hops
Power	2 × 3.6 V SAFT LSH20 lithium D cells*
Battery life	Up to 2 years*
Weather rating	IP66
Operating temperature	–10°C to +60°C
Antenna	50 Ω helical antenna supplied
Housing	Robust ABS enclosure
Site capacity	Up to 64 ALERTEX units per site

* Battery life depends on configuration, network traffic and environmental conditions. The NXER-specific mechanical dimensions and weight have not been included because they were not available in the published product information used for this draft.

TYPICAL APPLICATIONS

Schools & education	Extend lockdown alert coverage across larger or complex buildings.
Construction sites	Create reliable alert coverage across large or changing sites.
Industrial & commercial	Bridge radio gaps caused by building construction or site layout.
Outdoor / remote areas	Provide additional mesh hops where direct line-of-sight coverage is limited.

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