

Nokia Banshee flex Radio

The answer to your 4G/5G frequency flexibility needs

In today's dynamic battlefield, rapid, reliable data sharing is paramount for mission success. Teams demand secure, flexible communications tailored to their specific needs. By integrating commercial networking technologies, the Nokia 5G Banshee fleX Radio (BXR) revolutionizes traditional battlefield communication platforms. Delivering maximum 5G throughput with 100MHz carriers and extended range through multiple power options, the 5G BXR empowers warfighters to operate covertly over a private dual 5G/LTE band network.



Features

- Rapidly deployable 4G & 5, ruggedized communication system to support the battlefield digitalization (TAK, live video,)
- Easy to train, setup, operate and use
- Cost optimized
- Vehicular mount system
- Built-for-battlefield system:
 - Up to 3 LTE or 5G bands for discrete, band agile, and secured communications for operations in contested environment.
 - Interoperable with any IP based device.
 - Backhaul connectivity
 - Edge computing to run locally applications for stand-alone operations.
 - Integrated MANET mesh networking.

Benefits

- Enhance situational awareness with the battlefield of things™ and real-time multimedia communications.
- Take Faster decision with deeper intelligence at the edge.
- Act more efficiently and safely with remotely controlled unmanned vehicles and improved visualization of the situation



Technical specifications

The Nokia 5G BXR is a fully-independent network that enhances troops information superiority and operational capabilities on the battlefield. Network coverage extends to up to 10 km radius per node through a decentralized, stealthy, never offline network.

Up to 1,000 end point connections per node
Up to 1 Gbps with 5G*
Onboard TAK server

Frequencies available

Up to 3 different 4G/LTE or 5G radio modules
LTE: Common LTE bands available
5G: Common 5G bands available
MANET: L, S, High C, Low C

Power supply

90-264 VAC
Max power 484W, Typical 385W

Physical specifications

Size: 516mm (20 in) x 400mm (16 in)
x 525mm (21 in).
Weight: Fully loaded weight ~ 52Kg (115 lbs.)



* All specifications are preliminary and subject to change

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About Nokia

At Nokia, we create technology that helps the world act together.

As a B2B technology innovation leader, we are pioneering networks that sense, think and act by leveraging our work across mobile, fixed and cloud networks. In addition, we create value with intellectual property and long-term research, led by the award-winning Nokia Bell Labs.

With truly open architectures that seamlessly integrate into any ecosystem, our high-performance networks create new opportunities for monetization and scale. Service providers, enterprises and partners worldwide trust Nokia to deliver secure, reliable and sustainable networks today – and work with us to create the digital services and applications of the future.

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