

Nokia Banshee Deployable Solution

Advanced 4G/5G system for forward operations

The growing digitalization of defense operations, calls for communication systems that support much higher capacity and speed than traditional ones at the operative level. Teams demand rapidly deployable and flexible communication systems that can easily adapt to the changing needs of forward operations. By integrating commercial networking technologies, the Nokia Banshee deployable Radio brings an answer to this challenge. Delivering maximum 5G throughput and extended range through multiple frequencies and power options, it empowers troops to operate securely over a private dual 5G/LTE bands network.



Features

- Rapidly deployable 4G & 5, ruggedized communication system to support the battlefield digitalization (TAK, live video, Data center interconnection....)
- Easy to train, setup, operate and use
- Cost optimized
- 4G/5G connectivity:
 - Capacity up to 10Gbps.
 - Up to 6 LTE or 5G radios for discrete, band agile, and secured communications.
- A very large set of frequency bands and power supported.
- Backhaul connectivity through satellite or microwave.
- Edge computing to run locally applications for stand-alone operations.
- CPU isolation, Core connectivity SW protection
- MANET mesh network: optional
- Compact form factor for in-vehicle transport, military standard casing.

Benefits

- Take Faster decision with deeper intelligence at the edge, by providing deployed C2/HQ rapidly deployable connectivity.
- Act more efficiently and safely by digitalizing and automating operations in forward operating base or for a Naval task force.



Technical specifications

The Nokia Banshee deployable product is a fully-independent network that enhances troops information superiority and operational capabilities for forward operations. Fairly large areas (several 10th of square kilometers) through a decentralized, stealthy, never offline network.

Up to 10 k end point connections
Up to 10 Gbps with 5G
Onboard TAK server and edge computing

Frequencies available

Up to 6 different 4G/LTE or 5G radio modules
LTE: Common LTE bands available
5G: Common 5G bands available
MANET: optional

Physical specifications

Weight: Fully loaded weight ~ 32Kg
Size: W: 682mm(26.8 in) x H: 366mm (14.4 in)
x D: 690 mm (27.2 in).
IP 64, IP69 optional
Temperature range: -32°C to +50°C (-45°C to +75°C as an option)
MIL-STD-810h: Temperature, Shock and Rain.



* 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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