

Nokia Banshee 4G Tactical Radio

The ultra mobile LTE system

One of the greatest assets on the modern battlefield is the ability to rapidly share data, both within and across teams. Mission success depends on secure and reliable communications that is built to fit the needs of the forces. Commercial networking technologies bring unique capabilities that can now be added to the communications arsenal that complement traditional communications platforms. With new technologies like the Banshee Tactical Radio, forces can hide in plain sight over a private LTE network, have bandwidth scalability and more.



Features

- Complete 3GPP Network in a Box
 - 2 eNodeBs (Wide Range of 3GPP Bands)
 - 1 EPC
- Secure, compatible with CSfC for classified, and in-line encryptors
- Mobile Edge Compute Platform
- Onboard TAK Processor
- Integrated MANET Mesh Radio for Access and Backhaul
- Automatic meshing between multiple Banshee units

Benefits

- Fully decentralized, high performance (bandwidth & low latency), low-cost private LTE network for improved forces situational awareness
- Interoperable with any IP-Based network, sensor or device
- Backpack wearable for agile teams
- on the go
- Simplify CONOPS with one network
- Support battlefield of things™ sensors /devices / unmanned vehicles
- Small size weight and power
- Easy to train, setup and operate



Technical specifications

Banshee is a man-portable device that enhances forces on the battlefield. Network coverage extends to up to 1 km radius per node through a full decentralized, stealthy, never offline network.

- Up to 256 end point connections per node
- Up to 1 km radius LTE coverage area per node
- Up to 300 Mbps download / 100 Mbps upload
- Complete IP 67 or better rating on all connectors

Frequencies available

- LTE: B3/B7, B1/B3 available
- MANET Access and Backhaul: L, S, High C, Low C
- Band agile for frequency deconfliction and to evade EW

Power supply

- 20-40 VDC (dual rechargeable BA-2590)
- Max 75W, Typical 50

Physical specs

- Backpack/man-portable form factor
- Dimensions: 292W x 406H x 152D mm (11.5W x 17.2H x 4.5W in)
- Weight: Approx. 11.8 kg (26.3 lbs) including batteries, depending on option selections



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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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