

LumenRadio's operating system MiraOS enables a large-scale and easy-to-install wireless mesh network. Our patented technologies enable ultra-reliable and Future-Proof connectivity with unparalleled features for the most challenging IoT applications. MiraOS can operate with any radio technology and on any radio chip.



FEATURES

MiraOS is developed to be used in many different applications from wide area critical building control, to ultra low energy meshing on battery or energy harvesting.

MiraOS is truly providing Future-Proof communication and hassle free operation through our patented technology for:

- Ultra-reliable large scale mesh communication
- Bluetooth Mesh support*
- Open application layer for customer development
- Standard IPv6 support
- Best in class firmware upgrade over the air
- Multi standard support.
- Wide range of chipset support
- Easy commissioning using NFC or Bluetooth*
- High Precision (<+/-50us) System Time Stamping of Data

*Coming soon

APPLICATIONS



ULTRA-RELIABLE MESHED NETWORK

MiraOS is specifically tailored to be easy to install directly into a product, allowing manufacturers to develop the code needed to connect, control and collect data from their products.

MESH

Mira is self-healing wireless mesh network with unprecedented scalability to an unlimited number of nodes. Mesh eliminates the need for separate infrastructure; the devices will create the infrastructure themselves – reducing cost and complexity.

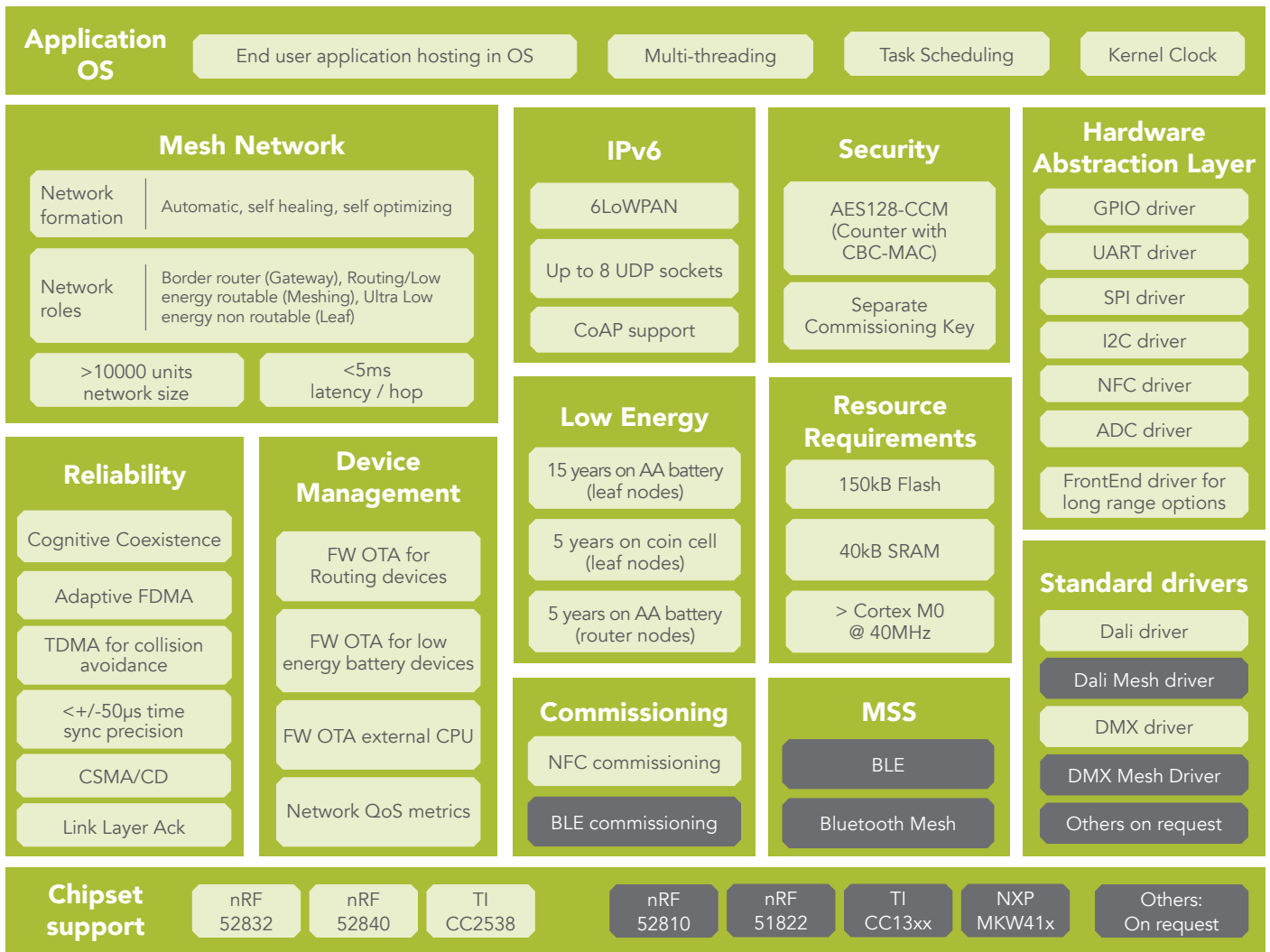
COEXISTENCE

Frequency coexistence is becoming crucial for successful IoT deployments. With our patented Cognitive Coexistence technology our customers' products will be Future-Proof as they co-exist along other wireless technologies, not being interfered or causing interference.

FUTURE-PROOF

By using state of the art algorithms for mesh, ultra low power, over the air FW-updates, commissioning, large scale networks etc LumenRadio offers a Future-Proof connectivity solution. We call this FPCC – Future-Proof Coexistence Connectivity.

Building blocks of MiraOS



Available standard feature

Planned feature, not available yet



With patented ultra-reliable technologies for wireless connectivity, LumenRadio offer radio modules and an operating system that can be integrated straight into their customers products.

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