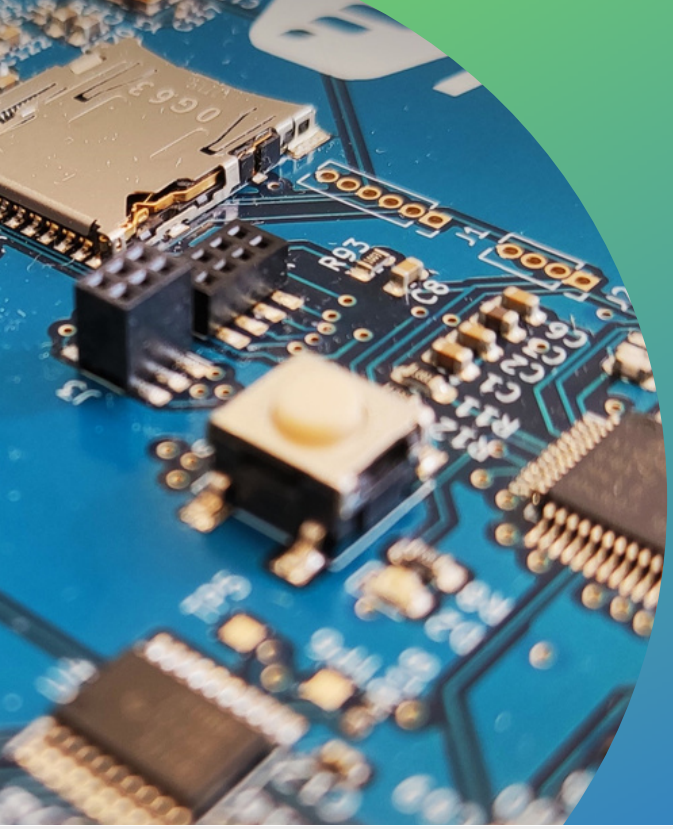
Fivecomm

The Ultimate IoT Company

5G-Broad Device

Brochure

English



5G-BROAD

Connecting user devices through 5G

5G-BROAD is a powerful solution that connects any user device such as cameras, drones, or robots to the 5G network, with simplified electronics as well as minimized power consumption and cost. it is versatile enough to adapt to the different requirements and scenarios specified by industrial verticals in the context of research and innovation projects.

The solution supports both Ethernet and USB for connecting end user devices. The final design comes with small form factor, up to six external antennas and power supply through 9/12V or USB-C.

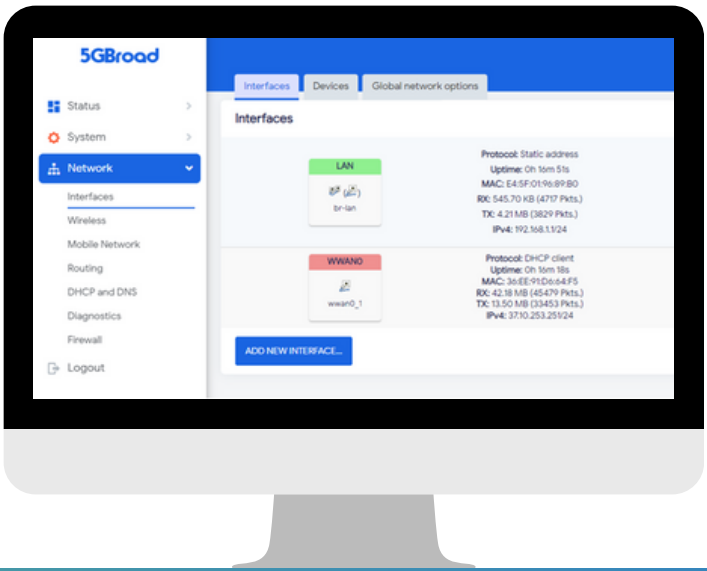
The story so far

The 5G-BROAD solution has been designed and developed in the context of different 5GPPP, NG-IoT and SNS projects. It has been validated in a wide set of vertical use cases, including:

- Media and entertainment
- Industry 4.0
- Smart ports
- Smart industrial park
- Remote driving and vehicular communications

Specifications

- 5G SA/NSA Release-16 support
- 5G hat on top of a Raspberry Pi 4
- Network slicing support
- Low- and mid-band frequencies including n40, n78
- Up to 6 SMA external antennas for MIMO
- Ethernet/USB connection to external devices
- SIM card insertion lid
- 3 LED for status monitoring
- OpenWRT graphical interface



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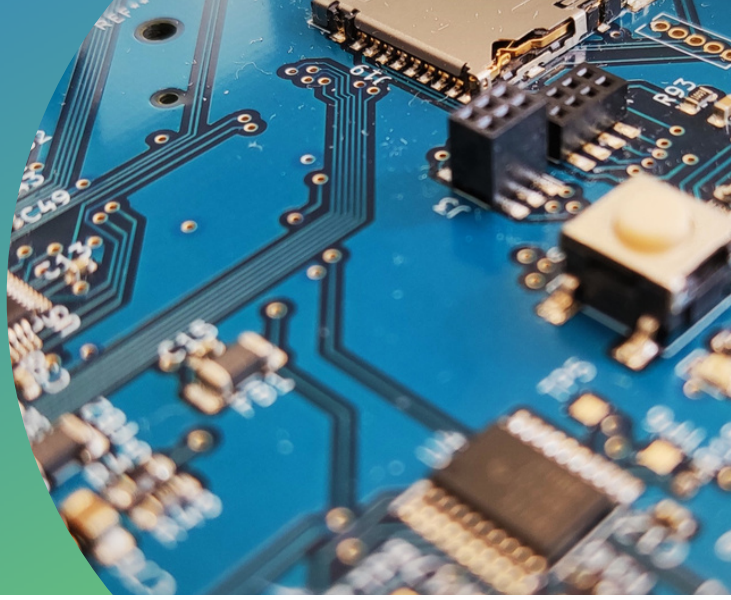
5G-BROAD

Fivecomm's 5G-BROAD device has played an important role in several European and national projects, enhancing industrial vertical sectors through its advanced 5G connectivity. It has been instrumental in projects such as 5G-INDUCE, 5G RECORDS, RADIANT, INGENIOUS, etc., covering different use cases from content production to IoT solutions, as well as contributing to the digital transformation of key industries.



Why 5G-BROAD?

- Routing capabilities — **App-oriented**
- < 5 min Deployment — **Plug & Play**
- Reduced form factor — **Compact**
- Zero Maintenance — **Cost efficiency**
- Network slicing — **Guaranteed QoS**
- Ethernet USB — **Flexibility**

Just connecting a device? No routing capabilities required?

5G-BROAD LIGHT

The 5G-BROAD Light version comes with a very reduced form factor for this particular scenarios. This type of modem is connected to a PC and configured via USB in a simple manner.

European Projects

5G NaCAR · 5G Logic · in enious · TARGET-X · SAND BOX · FUDGE-5G · 5G RECORDS · 5G INDUCE

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