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BAR mXTEND™ (NN02-232)

DATASHEET

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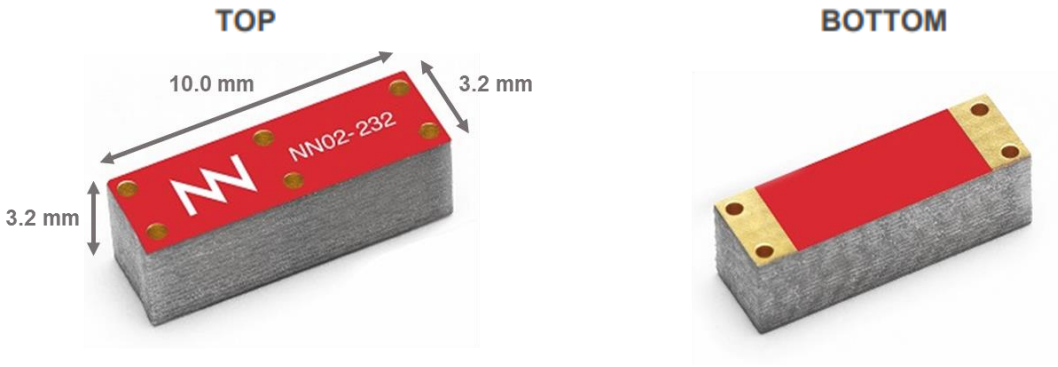
The BAR mXTEND™ antenna booster is a versatile antenna oriented to provide a cost-effective performance in **any IoT environment**. This antenna booster has been specifically designed for providing multiband performance in wireless devices for 2G/3G/4G bands.



Product Benefits

- **Top performance**: Top multiband IoT performance in an ultracompact form factor: 10.0 mm x 3.2 mm x 3.2 mm.
- **Multiband & Multiport:** 2G/3G/4G/5G, LTE-M and NB-IoT applications.
- **Global reach:** Through multiband performance (compatible with multiple regional standards).
- **Reliability**: Off-the-Shelf standard product, no antenna part customization (electronic optimization).
- **Use cases:** Small tracking devices, IoT sensors and IoT cellular/ISM modules, mobile devices.

Operation Bands Summary

- GSM, UMTS, LTE (824 – 960MHz and 1710 – 2170MHz).

1. AVAILABLE SOLUTION SUMMARY

Class	Frequency Regions	Frequency range	More detailed info
1 Port	2	824 – 960 MHz & 1710 – 2170 MHz	**CELLULAR MOBILE**

2. CELLULAR SOLUTION

Technical features	824 – 960 MHz	1710 – 2170 MHz
Average Efficiency	> 60 %	> 75 %
Peak Gain	1.3 dBi	2.1 dBi
VSWR	< 3:1	
Radiation Pattern	Omnidirectional	
Polarization	Linear	
Weight (approx.)	0.21 g	
Temperature	-40 to +125 ºC	
Impedance	50 Ω	
Dimensions (L x W x H)	10.0 mm x 3.2 mm x 3.2 mm	

Technical features. Measures from the evaluation board (131 mm x 60 mm x 1 mm).

If you need assistance to design your matching network, please contact **support@ignion.io**

You can also try our free of charge[1] **NN Wireless Fast Track service** you will receive a tailored antenna design approach for free in 24h[1]. discover the feasibility of your next wireless project including the antenna!

[1] See terms and conditions for a free NN Wireless Fast-Track service in 24h at: https://www.ignion.io/fast-track-project/

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