

ignion<sup>™</sup>

Your innovation.  
Accelerated.

# BAR mXTEND<sup>™</sup> (NN02-232)

DATASHEET

## BAR mXTEND<sup>™</sup> (NN02-232)

The BAR mXTEND<sup>™</sup> 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	<b><u>CELLULAR MOBILE</u></b>

## 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 °C	
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](mailto:support@ignion.io)

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

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

ignion<sup>™</sup>

Your innovation.  
Accelerated.

Contact:  
[support@ignion.io](mailto:support@ignion.io)  
+34 935 660 710

### Barcelona

Av. Alcalde Barnils, 64-68 Modul C, 3a pl.  
Sant Cugat del Vallés  
08174 Barcelona  
Spain

### Shanghai

Shanghai Bund Centre  
18/F Bund Centre, 222 Yan'an Road East,  
Huangpu District  
Shanghai, 200002  
China

### New Dehli

New Delhi, Red Fort Capital Parsvnath Towers  
Bhai Veer Singh Marg, Gole Market,  
New Delhi, 110001  
India

### Tampa

8875 Hidden River Parkway  
Suite 300  
Tampa, FL 33637  
USA

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Antennas](#) category:*

*Click to view products by [Fractus Antennas](#) manufacturer:*

Other Similar products are found below :

[GAN30084EU](#) [930-033-R](#) [GW17.07.0250E](#) [1513563-1](#) [EXE902SM](#) [APAMPG-117](#) [MAF94383](#) [W3908B0100](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [66089-2406](#) [A09-F8NF-M](#) [A09-F5NF-M](#) [RGFRA1903041A1T](#) [W3593B0100](#) [W3921B0100](#) [SIMNA-868](#) [SIMNA-915](#) [SIMNA-433](#) [W1044](#) [W1049B090](#) [WTL2449CQ1-FRSMM](#) [CPL9C](#) [EXB148BN](#) [0600-00060](#) [TRA9020S3PBN-001](#) [GD5W-28P-NF](#) [MA9-7N](#) [GD53-25](#) [GD5W-21P-NF](#) [EXB144SM](#) [C37](#) [MAF94051](#) [GD35-17P-NF](#) [P1744](#) [MA9-5N](#) [EXD420PL](#) [B1322NR](#) [QWFTB120](#) [MAF94271](#) [MAF94300](#) [GPSMB301](#) [FG4403](#) [AO-AGSM-OM54](#) [5200232](#) [MIKROE-2349](#) [WCM.01.0111](#) [MIKROE-2393](#) [MIKROE-2352](#)