

Vizmonet Introduces Wi-Fi 6 (802.11ax) 2.4GHz Industrial MiniPCle Transceiver Modules

Today, Vizmonet announces the release of two new Wi-Fi 6 (802.11ax) MU-MIMO MiniPCle modules, the axE2-2400 (2x2 MU-MIMO) and axE4-2400 (4x4 MU-MIMO).

SINGAPORE, May 16, 2024

/EINPresswire.com/ -- These two new modules are the unique of their kind on the market, designed to meet the increasing demand for carrier-class, long range wireless networks.

The [axE2-2400](#) and [axE4-2400](#), are both available in the standard size MiniPCle form-factor, supporting single lane PCIe-Gen3. These modules enable OEM systems to go through seamless migration into IEEE 802.11ax space without much of hardware modification.

The transceiver modules are powered by Qualcomm QCN9074 enterprise network processor, ensuring high performance in 2.4 GHz ISM frequency band operating within temperature range of -40°C to +85°C. The axE2-2400 and axE4-2400 models stand out on the market, offering more than just standard 11ax radio capabilities.

Here is a list of X-factors that distinguish them:

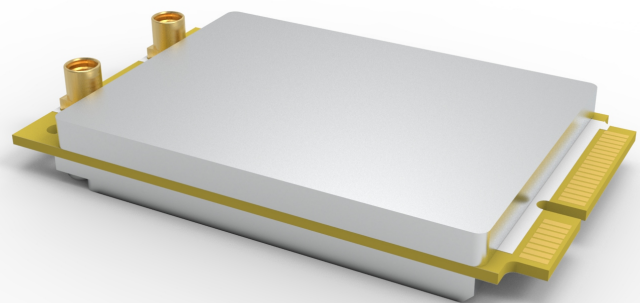


1 IQ Polar Metrics		2 IQ Measured Polar	
RMS EVM	Max	-42.62 dB	
	Avg	-43.27 dB	
Peak EVM	Max	-26.35 dB	
	Avg	-39.09 dB	
Pilot EVM	Max	-43.55 dB	
	Avg	-44.06 dB	
Data EVM	Max	-42.59 dB	
	Avg	-43.24 dB	
Frequency Error	Max	18.96 kHz	
	Avg	18.95 kHz	
Symbol Clock Error	Max	7.82 ppm	
	Avg	7.80 ppm	
IQ Origin Offset	Max	-52.81 dB	
	Avg	-54.39 dB	
Peak Burst Power	Max	31.50 dBm	
	Avg	31.14 dBm	
Avg Burst Power	Max	21.24 dBm	
	Avg	21.23 dBm	
Time Offset	On	1785.09 us	
	Off	69.89 us	
Duty Cycle	Max	2.31 %	
RMS Common Pilot Error	Avg	1.11 %	
	Max	1.32 Deg	
	Avg	0.64 Deg	

axE2-2400
axE4-2400
Wi-Fi 6 MiniPCle

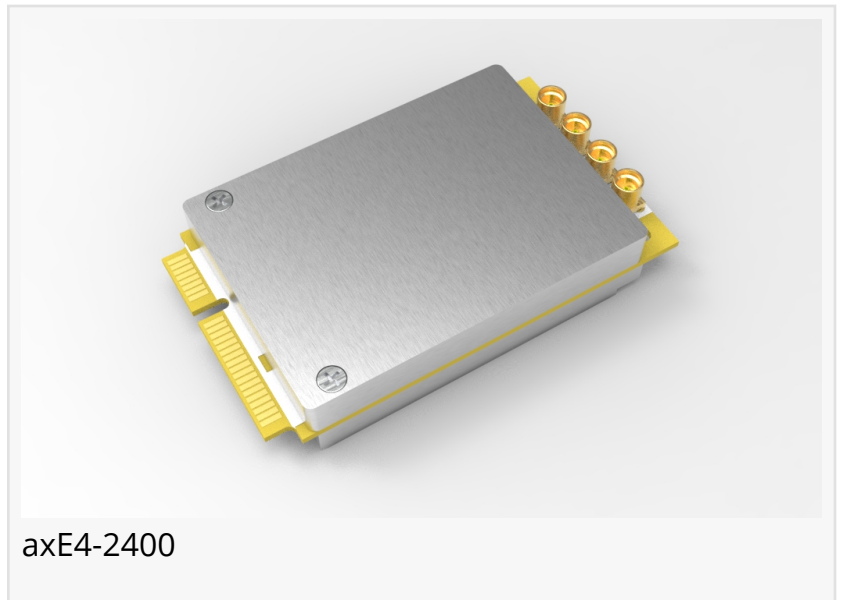
vizmonet.com enquiry@vizmonet.com

11ax EVM Constellation



axE2-2400

- Standard MiniPCIe form-factor
- 30 dBm of Max TX Power
- During manufacturing, every module is calibrated with fine precision to achieve EVM compliance of 802.11 g/n/ac/ax standards with better margin.
- Operating temperature -40 deg C to +85 deg C
- Best-in class interference de-sensitization to Mobile Bands (Out-of-Band rejection > 50 dBC)
- Military grade Resilience to Shock and Vibration
- Custom Heatsink design



The modules are available for immediate sample delivery, and OEM designers are encouraged to contact [Vizmonet](https://www.vizmonet.com) today to learn more about the axE2-2400 and axE4-2400 MiniPCIe radios.

For more info
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This press release can be viewed online at: <https://www.einpresswire.com/article/711756162>

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