


## DATASHEET

### Product information BRID211010-ADM0D-IEPE

<b>Name</b>	BRID211010-ADM0D-IEPE
	
<b>Product description</b>	
Type	IEPE Vibration Module
Description	AD-converter interchangeable plug-in module for iQunet Wireless Bridge, 1 channel, accepts analog signal from one 1-axial IEPE (IEPE sensor and/or cable not included). Country of origin: BE - HS: 90318080 - ECCN: NO
Note	The plug-in module converts the analog IEPE signal to digital, ready for wireless transfer via the Wireless Bridge.
<b>Product specifications</b>	
Material	EMC shielded PCBA
Weight	30 g
Connector	Fits connector of Wireless Bridge, fixed with 2 M2x4mm screws
Operating temperature	-10° to +50°C
L x W x H (mm)	43 x 32 x 8
Ingress protection	None (to be installed in Wireless Bridge with IP66/67 –see datasheet BRID201010-BOX24V-Datasheet-D1373)
Power consumption	Max. 30mA at 24VDC
Temperature registration	Not applicable
Number of axes measured	For one 1-axis IEPE sensor (wired to Wireless Bridge - up to 3 axes with use of 3 modules)
<b>Measuring specifications</b>	
IEPE oversampling rate	1MHz
Down sampling rate	4Hz to 4000Hz
Number of samples	32 to 8192 (user selectable via Sensor Dashboard Software)
Sensitivity	10mV/g, 100mV/g, 500mV/g, 1000mV/g (user selectable according to used IEPE)
Measuring mode	<ul style="list-style-type: none"> <li>• Always on, self-triggering with data collection at programmable timer interval</li> <li>• Manual trigger</li> </ul>
Measuring units	g or mm/s
Post processing	<ul style="list-style-type: none"> <li>• Time series, frequency, or waterfall plots</li> <li>• DFT averaging for noise reduction</li> <li>• Trend tracking: RMS or Kurtosis (g and mm/s)</li> <li>• Configurable high pass cut off filter (0-800Hz)</li> <li>• optional: Anomaly Detection Service (based on AI/ML unsupervised learning)</li> </ul>
Amplitude range	Depending on selected IEPE sensor
Certification	CE / FCC / KC
Compliance	EMC: EN 301 489-1 / EN 301 489-3