

## TECHNICAL DATA SHEET

### IoT GATEWAY

V2.0, 08/11/17

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The IoT Gateway provides a two-way interface between the Organic Response smart sensor network any third party system. Standard industry protocols are used to expose unsynthesized data via a local IP connection, while the device can also be connected to the Portal (cloud-hosted) where data is collected, analysed and returned to authorised parties via any internet connected web browser. This also acts as a centralised lighting control head-end, offering control, configuration and monitoring.

TO SUPPLY:  
100-240V 50/60 HZ



FIGURE 1: THE IoT GATEWAY

TECHNICAL DATA		PART #: 461- 000256
HOUSING DIMENSIONS	H: 30mm x L: 126mm x W: 125.6mm	
IoT GATEWAY WEIGHT	155g	
WALL/CEILING MOUNTING (OPTIONAL)	<ul style="list-style-type: none"> <li>• Mounting backer plate</li> <li>• Mounting hardware</li> </ul> <ol style="list-style-type: none"> <li>1. Drywall Anchor, #6-#8 Screw, 1-1/4" Length</li> <li>2. M3 x 50 mm Length, Pan Head, Phillips #1, Machine Screw</li> <li>3. Screw, Pan Head Phillips Sheet Metal #6/18x1.25"</li> </ol>	
POWER SOURCE INPUT	100-240 VAC 50/60 Hz	
POWER SOURCE OUTPUT	5VDC 2A	
POWER CONSUMPTION	10W (max)	
CURRENT CONSUMPTION	Highly dependent upon the unit configuration and programmed software	
RF PROTOCOL	Wireless Mesh	
FREQUENCY BAND	2.4 GHz	
COMPATIBLE RF INTERFACE	IoT Backpack	
COMPATIBLE SENSOR NODE	Sensor Node 2.2 version 9 or higher	
AMBIENT TEMPERATURE (ta)	0°C ... 60°C	
MAX NUMBER OF NODES PER GATEWAY	150	
MAX RANGE TO CLOSEST SENSOR NODE	5m	
AMBIENT TEMPERATURE	-20°C to 45°C	
ETHERNET	RJ45 10/100Mbps	
EMC COMPLIANCE	EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 ETSI EN 300 328 V 2.1.1 ETSI EN 300 440 V 2.1.1 ETSI EN 300 440 V 2.1.1 ETSI EN 301 489-1 V 2.1.1 ETSI EN 301 489-3 V 2.1.1 ETSI EN 301 489-17 V 3.1.1 ETSI EN 301 893 V 2.1.1 EN 55024: 2010 + A1: 2015 EN 55032: 2015 EN 61000-3-2: 2014 EN 61000-3-3: 2013	