

EnviroMonitor[®] Node



6810

EnviroMonitor[®] System

An EnviroMonitor System is an advanced mesh network that includes a Gateway and a number of Nodes. Each Node can have up to four sensors. The Nodes transmit the sensor data to a mesh parent, either the Gateway or another Node. The Gateway then sends the data via cellular connection to WeatherLink.com. EnviroMonitor can be customized for different sized installations.

Each Gateway can receive from 20 or more Nodes. Additional Gateways can be added to your account to receive data from another set of Nodes.

General

Operating Temperature	-4° to +140°F; -20° to +60°C
Storage Temperature	-40° to +140°F; -40° to +60°C
Current Draw	12mA typical
Housing Material	Rugged ASA Plastic
Dimensions (width x height x depth)	8.25 X 11.25 X 5.5 inches (21.00 X 28.58 X 14.00cm)
Weight	3.40 lbs. (1.54 kg) (without batteries)
Solar Panel (@ 1000w/m ²)	
Nominal power	3.0W
Voc	2.5V
Isc	1.5
Vmp	2.0V
Imp	1.5 amp
Batteries	Four D-cells (LR20, not included), One lithium-ion (18650, included)
BTLE (all models)	2.402 - 2.480 GHz

Transmit/Receive Frequency and Channels *(All bands are license-free)*

Region	No. of Channels	Min. - Max. Frequency	Output Power
USA	51	902 - 928 MHz	902 - 928 MHz FHSS; less than 25 mW
EU	5	868.0 - 868.6 MHz	868.0 - 868.6 MHz FHSS; less than 25 mW
Australia	51	918 - 926 MHz	918 - 926 MHz FHSS; less than 25 mW
New Zealand	51	921 - 928 MHz	921 - 928 MHz FHSS; less than 25 mW
India	19	865 - 867 MHz	865.0 - 867.0 MHz FHSS; less than 25 mW
Brazil	51	918 - 926 MHz	918 - 926 MHz FHSS; less than 25 mW
Peru	51	921 - 928 MHz	921 - 928 MHz FHSS; less than 25 mW

Certifications

- FCC
- CE
- IC

Package Dimensions

Product #	Package Dimensions (Width x Length x Depth)	Package Weight	UPC Code
6810	10.12" x 13" x 7" 25.7 x 33.0 x 17.8 cm	5 lb. 6 oz 2.43 kg	011698012619