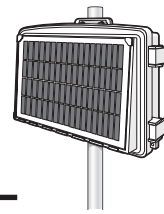


EnviroMonitor[®] Gateways



**6801
6802, 6802A
6803, 6803A**

EnviroMonitor[®] System

An EnviroMonitor System is an advanced mesh network that includes a Gateway and up to 32 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.

General

Operating Temperature	-40° to +140°F; -40° to +60°C
Charging Temperature	-4° to +120°F (-20° to +49°C)
Storage Temperature	-40° to +140°F; -40° to +60°C
Current Draw	25mA typical, 1A peak
Housing Material	Rugged ASA Plastic
Dimensions (width x height x depth)	13.75 X 10 X 4.15 inches (34.9 X 25.4 X 10.5 cm)
Weight	8.50 lbs. (3.86 kg)
Battery	
Type	6 volt, 12 Ah, gel cell with quick disconnect 0.250" x 0.032" (6.35 mm x 0.81 mm) tabs
Replacement Part Number	7011.025
Charging Temperature	-4 to +120°F; -20 to +49°C
Solar Panel (@ 1000w/m ²)	
Nominal power	5W
Voc	21.6V
Isc	301mA
Vmp	18V
Imp	277mA

Barometric Pressure Sensor Data (internal sensor)

Resolution and Units	0.001" Hg, 0.1 mm, 0.1 hPa, 0.1mb. (user selectable)
Range	16.00" to 32.50" Hg, 410 to 820 mm Hg, 540 to 1100 hPa or mb
Elevation Range	-1500' to +15,300' (-460 m to 4670 m)
Uncorrected Reading Accuracy	±0.03" Hg (±0.8 mm Hg, ±1.0 hPa/mb) (at room temperature)
Sea-Level Reduction Equation Used	Altimeter
Equation Accuracy	±0.01" Hg (±0.3 mm Hg, ±0.3 hPa/mb)
Elevation Accuracy Required	±10' (3m) to meet equation accuracy specification
Trend (change in 3 hours)	Change ±0.06" (2.0 hPa/mb, 1.5 mm Hg) = Rapidly Change ±0.02" (0.7hPa/mb, 0.5 mm Hg) = Slowly
Range for Rising and Falling Trend Alarms	-0.255 to 0.255" Hg (-6.5 to 6.5 mm Hg, -8.6 to 8.6 hPa/mb)
Update Interval	1 minute

Cellular Communication

6801	850/900 MHz (GSM) 1800/1900 MHz (DCS/PCS) B1, B2, B4, B5, B8 (UMTS)
6802	LTE CAT-M1 B2, B4, B12 (LTE) Class 3 (23dBm)
6802A	LTE CAT-1 B2, B4, B5, B12, B25, B26 Class 3 (23dBm)
6803 & 6803A	850/900 MHz (GSM/EGSM), Class 4 (33 dBm); 1800/1900 MHz (DCS/PCS), Class 1 (33 dBm); B1/B2/B4/B5/B6/B8/B19 (WCDMA), Class 3 (24 dBm); LTE CAT-1 FDD: B1/B2/B3/B4/B5/B7/B8/B12, B13/B18/B19/B20/B25/ B26/B28, Class 3 (23 dBm); LTE CAT-1 TDD: B38/B39/B40/B41

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, Brazil	51	918 - 926 MHz	918 - 926 MHz FHSS; less than 25 mW
New Zealand, Peru	51	921 - 928 MHz	921 - 928 MHz FHSS; less than 25 mW
Russia	5	868.7-869.2 MHz	868.7-869.2 MHz; less than 25 mW
India	19	865 - 867 MHz	865.0 - 867.0 MHz FHSS; less than 25 mW

Certifications

- FCC
- CE
- IC

Package Dimensions

Product #	Package Dimensions (Width x Length x Depth)	Package Weight	UPC Code
6801	12.25 x 16.25 x 6.5 31.1 x 41.3 x 16.5cm	10lbs 2 oz 4.60 kg	011698012831
6802			011698013937
6802A			011698014460
6803			011698013586
6803A			011698014996