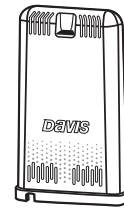


# IP Gateway



**6805**

## 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 IP Gateway or another Node. The IP Gateway then sends the data via Wi-Fi or Ethernet connection to WeatherLink.com.

### General

Operating Temperature. . . . .	32° to +140°F; 0° to +60°C
Average Current Draw . . . . .	100 mA
Peak Current . . . . .	700 mA
Housing Material. . . . .	Rugged ABS Plastic
Dimensions (height X width x depth) . . . . .	7 X 4 X 1.25 inches; 18 X 10 X 3 cm
Weight (without batteries or AC adapter) . . . . .	0.48 lbs. (0.22 kg)
Backup Batteries . . . . .	4 AA (not included)
Battery Life . . . . .	5 days
AC Adapter. . . . .	5 VDC, 1000 mA
Wi-Fi Frequency Range & Power . . . . .	2412-2472 MHz, 802.11b/g/n; less than 72mW
BLE Frequency Range & Power . . . . .	2402-2480 MHz, less than 1mW

### 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

### Weather Station Wireless Communications

Transmit/Receive Frequency and Channels: *All bands are license-free.*

Receive Frequency	
US Models . . . . .	902.0 - 928.0 MHz FHSS
EU Models . . . . .	868.0 - 868.6 MHz FHSS
Australia/Brazil Models . . . . .	918.0 - 926.0 MHz FHSS
New Zealand/Peru Models. . . . .	921.0 - 928.0 MHz FHSS
India Models . . . . .	865.0 - 867.0 MHz FHSS
Russia Models. . . . .	868.7 - 869.2 MHz FHSS
ID Codes Available . . . . .	8
Range	
Line-of-Sight . . . . .	up to 1000 feet (300 m)
Through Walls. . . . .	200 to 400 feet (60 to 120 m)

### Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Code
6805	13.0" x 6.6 " x 3.25" 33 x 16 x 8 cm	1 lb. 8 oz 689 g	011698013364