

Mechanical			
Size	Diameter 160mm		Height 180mm
Weight	800 grams		
Weather protection	IP68		

Environmental			
Operating Temperature	-20	-	60 °C
Storage Temperature	-40	-	65 °C
Humidity	5	-	95 % Re

Power			
External Power Supply			
Input Voltage	12 V		24 V
Input Current	700 mA		
Internal Battery (Rechargeable)			
Chemistry	Lion		
Terminal Voltage	6.8 V	7.8 V	8.4 V
Capacity	1.8/4.8 Ahr		
Internal Battery (Non-rechargeable)			
Chemistry	LiMnO2		
Terminal Voltage	6.8 V	7.8 V	8.4 V
Capacity	4.8 Ahr		
Sensor Power Output			
Output Voltage	11 V	12 V	13 V
Output Current	500 mA		
Digital Output			
Output Voltage	11 V	12 V	13 V
Estimated Battery Life	5 hrs		10 hrs

Storage			
Non-volatile-Log			
Size	4 MB		
Events	256000 Events		

Bluetooth Support			
Bluetooth standard	5.0		
Data rate	2.5 kbps		

Clock			
RTC			
Accuracy (-10 to 70°C)	± 20 ppm	± 70 ppm	
Network Time Sync Support			
Supported Networks	Iridium satellite	CAT-M1	NB-IoT
Cellular			

Telemetry Support			
Iridium			
Protocols	Short Burst Data		
Coverage	Worldwide		
4G Cellular LTE-M/NB-IOT			
Protocols	MQTT		
Email			
Network Support	Spark		
Coverage	100% NZ Coverage		

Bult-in sensor channels			
Barometer - Pressure			
Range	10	1200 mbar	
Accuracy 25 °C, 750 mbar	-15	+15 mbar	
Barometer - Temperature			
Range	-40 °C	85 °C	
Accuracy	-0.8 °C	+0.8 °C	
Battery Voltage			
Supply Voltage			
Refernece Voltage			
Radio Signal Strength			
Microprocessor			
Temperature			