

Inputs/Output		
Analog	3 inputs, individually jumper selectable 4-20 mA / 0-10Vdc / 0-5 Vdc	5 to 24 V available to power analog sensors.
Discrete Digital	3 inputs individually jumper configurable between dry contact and voltage	Pulse counting High-low level switches
		Voltage Configuration <ul style="list-style-type: none"> Digital High: 2.4V-3.6 V Digital Low: 0V -0.8 V Max Current: 50 mA
Digital Interrupt (WUP)	1 dry contact interrupt input	Exception based reporting. Interrupts sleep cycle to take readings and transmit data. 3.9 V, 50 mA
Serial Port	RS-485	Modbus RTU Master
Digital Out	1 open drain output	36 V, 1 A max applications

Other Key Attributes		
Flash Memory	16 MB	Data Logging, Configuration Files
Antenna	Internal Flexible, 1.4 dBi	
Microprocessor	ARM Cortex-M4	
Encryption	AES 128	
Radio Technology	LoRa/LoRaWAN 1.0.4	
Radio Range	Up to 10 miles Line of Sight	
Radio Frequency	915 MHz	US Channel Plan

Power		
Battery	1-D size lithium thionyl chloride user replaceable primary battery provided. <ul style="list-style-type: none"> 3.6 Volt nominal 4000 mA pulse current 13.0 Ah capacity	
Sleep Mode Power Demand	40 uA	
Wake Mode Power Demand	Up to 250 mA during transmission period.	

Approvals/Certifications	
FCC/IC	Operates in the ISM (unlicensed band). FCC ID: AU792U13A16857 IC:125A-0054
Device Certifications	ANSI/ISA 12.12.01 and CAN/CSA C22.2 No.213: Class I, Division 2, Groups C,D T4 Class II, Division 2, Groups F,G T135 °C Class III, Division 1 UL-62368-1, Third Edition CSA C22.2 No. 62368-1, Third Edition Annex Y

Physical/Environmental		
Entry Points	2 - 7/8" Dia holes, Cord Grips accept 0.095 inch to 0.290 inch cable.	Entry Points accept ½" conduit fittings
Operating Temperature	-35° to 80° C, -31° to 176° F	All components are rated to this range.
Weather	NEMA 4X, IP66	
Dimensions	7.6" x 4.6" x 3.1" (excluding cord grips)	
Weight	1 lb, 8 oz (including battery)	
Mounting	3 mounting holes on either side of enclosure for direct fastening	