

SW-GW1 Modbus RTU/ASCII Gateway



Features and benefits:

- Proprietary 2.4GHz Wireless
- Industry Leading Wireless Range
- Error Free Data Transmission
- Modbus RTU or ASCII interface (RS232/RS485)
- Gathers data from up to 100 transmitters
- Environmentally Sealed (IP65/ NEMA4)

The SW-GW1 is a Modbus interface gateway that provides a simple interface allowing users to gather data from Straightpoint Wireless devices using either the standard Modbus RTU protocol or a simple ASCII protocol.

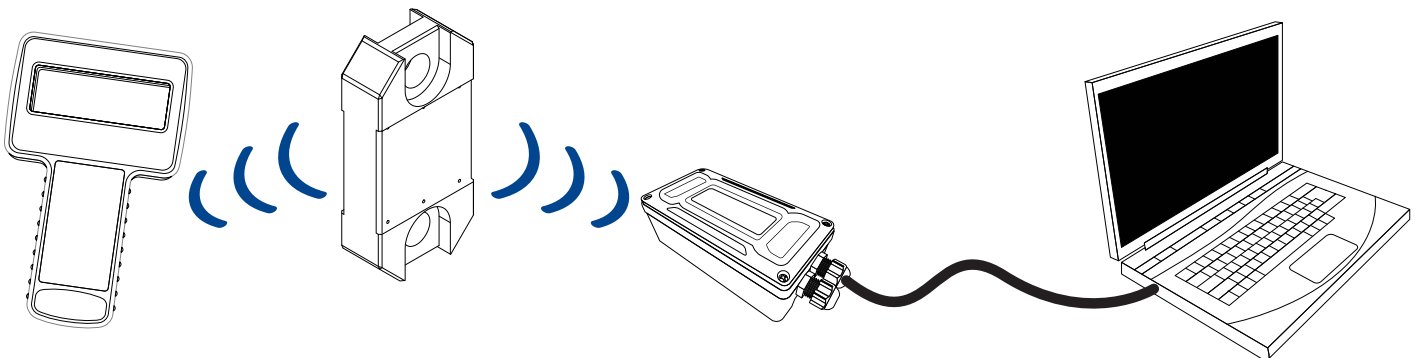
This gateway allows for the collection of data from up to 100 Straightpoint Wireless devices and provides for simple commands such as wake, sleep, and keep awake.

The license-free 2.4GHz Wireless System offers high integrity, error free communications.

The electronics are housed in a NEMA 4/IP65 environmentally sealed enclosure.

The SW-GW1 is ideal for integration to a PC, PLC, or other DAQ system accepting a simple Modbus RTU or ASCII serial communications protocol.

Solution



Parameter	Minimum	Typical	Maximum	Units	Notes
External supply voltage	9	12	32	Volts	
Average operational		TBD	500	mA	
Operating temperature	-40°C (-40°F)		65°C (149°F)	°C (°F)	
Storage temperature	-40°C (-40°F)		65°C (149°F)	°C (°F)	
Reverse polarity			-32	Volts	Maximum supply level
Licence		Licence exempt			
Modulation method		MS (QPSK)			
Radio type		Transceiver (2 way)			
Data type		250		K bits/sec	
Radio frequency	2.4000		2.4835	GHz	
Power		1		mw	
Range			700m / 2300ft	Metres (Feet)*	
Channels (DSSS)		16			

*Maximum range achieved in open field site at height of 9.8 feet (3 metres) above ground.



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