SW-GW1 *Modbus RTU/ASCII Gateway*

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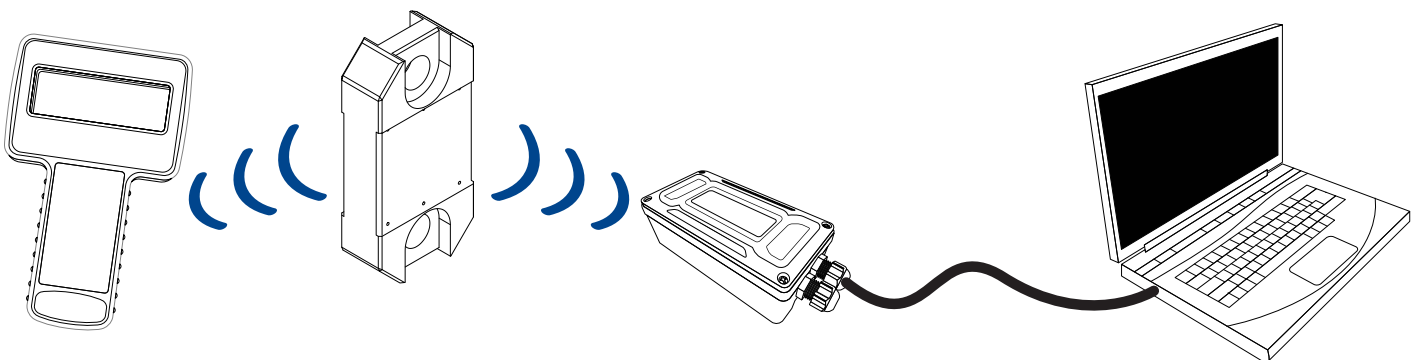
This gateway allows for the collection of data from up to 100 Straightpoint Wireless devices and provides for simple commands such as wake, sleep, and keep awake.

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.

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)

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.

#knowtheload