

RS485 RADIO MODULE



 **i-meter**[®]
Innovative Metering Solutions

i-meter® RS485 RADIO MODULE



Integrated with a 2.4G RF modem and MCU, the i-meter® RS485 Wireless Radio module is designed to support low-cost and lower power wireless sensor networks. The radio module is enclosed in a polycarbonate enclosure with a hard-wired 120Volts power supply and a single-pole fuse holder.

Wireless Communication	
Range	2000m Straight Line of Sight
Network type	Star, line or mesh
Channel detection	CSMA-CA & GTS CSMA-CA
Network Capacity	65535
Node Type	Coordinator, router or end device
Data Interface	
Maximum data packet	100 bytes
Data interface	RS485
Baud rate	1,200 – 115,200 bps
Transceiver	
Frequency range	2.405GHz – 2.480GHz
Wireless channel	16
Receiver sensitivity	-105dBm
Transmit power output	25dBm
Antenna	The outer SMA antenna
Size	90mm x 81mm x 25mm (length x width x height)

Power	
Input Voltage	5V-24V broad voltage
Average current	70mA
Maximum receiving current	250mA
Working Environment	
Working temperature	-40°C – 85°C
Storage temperature	-55°C – 125°C