



Specifications

General	
Data Rate	9.6 kbps raw over-the-air
Frequency Band	217-222 MHz
Channel Bandwidth	12.5 kHz
Timing Mode	Over the Air
Over-the-Air frame structure	TDMA, 47 timeslots per second, 7 Payload Bytes per slot

Radio	
TX Power	2 Watts (33 dBm) (+/- 1.5 dB)
Output Impedance	50 Ohms
Occupied Bandwidth	12.5 kHz
Modulation	GMSK Bt 0.3
RX Sensitivity	-116 dBm for 12 dB SINAD
RX Co-Channel	-15 dB
RX Adjacent Channel	1 st : 55 dB, 2 nd : 57 dB, 3 rd - 5 th : 60 dB
Intermodulation Rejection	500 kHz / 1 MHz: 55 dB
Blocking	> 1 MHz: -30dBm
Frequency Stability	1.0 ppm (-30C - +60C)
RX Noise Figure	< 7 dB

Physical Interface	
Main interface	J1 - 16 pin - Samtec STMM-108-02-T-D-SM-K-TR
Antenna	SMB (Male)

Protocols	
Management	Serial Console
Payload	Basic Serial Protocol (BSP)

Environmental	
Temperature:	-30C - +70C (-22F - +158F)
Humidity	95% at 40C (104F) non-condensing
Input Power	6 to 12 VDC 1A Max

Mechanical	
Mounting Options	4 screws
Dimensions	3.45" L x 1.825" W x 1.39" H
Weight	2.6 oz.

Agency Approvals	
FCC/IC	CFR 47 Parts 80, 90, and 95
CSA	Class 1 Div 2 Groups A, B, C and D for hazardous locations (ANSI/UL equivalent)

Maximum Ratings	
RF Power Level into Antenna Jack	0 dBm

For additional information, please visit gemds.com

GE MDS reserves the right to make changes to specifications of products described in this data sheet at any time.