

POWERAMR IOT GATEWAY CONNECTION

PIN DIAGRAM

Pin No.	Pin Name	Description
1	+12V	DC IN - Input voltage: 9V~30V/1A.
2	GND	Ground Pin
3	D+	RS485 Data+
4	D-	RS485 Data-
5	DI-1	Digital Input / 0 TO 5 V INPUT
6	DI-2	Digital Input / 0 TO 5 V INPUT
7	AI+	Signal FOR 4- 20 M AMP
8	AI-	Common Loop- No Connection



Specifications- E Track 550i

<b>System</b>	<b>CPU</b>	<b>ARM Cortex</b>
	<b>SRAM</b>	<b>32 Kbytes</b>
	<b>Flash Memory</b>	<b>256 Kbytes</b>
	<b>Data Log Flash Memory</b>	<b>64MB (17000 Records Offline)</b>
	<b>WDT(watchdog)</b>	<b>Yes</b>
	<b>RTC</b>	<b>Onboard RTC</b>
	<b>Protection</b>	<b>2 KV Surge Protection on RS 485</b>
<b>Modem</b>	<b>Frequency Band</b>	<b>Quad-band: 850/900/1800/1900 MHz</b>
	<b>Compliant with GSM Phase 2/2+</b>	<b>Class 4 (2 W @ 850/900 MHz); Class 1 (1 W @ 1800/1900 MHz)</b>
<b>Serial ports</b>	<b>RS232 Utility port</b>	<b>RS-232: Tx/D, Rx/D, GND (use for device configuration and debug)</b>
	<b>RS485</b>	<b>RS-485: D+, D- (use for communication with other devices)</b>
	<b>Slaves</b>	<b>Maximum 8 Nos of Slave can be connected</b>
	<b>Baud Rate</b>	<b>Supports 2400,4800,9600,19200,38400,57600,115200</b>
<b>I/O Port</b>	<b>Analog Inputs</b>	<b>2 Nos of ( 0-5 V) and 1 No Analog Port ( 4-20 m amp)</b>
<b>Protocol</b>	<b>Transmit Protocol</b>	<b>TCP/ HTTP/ MQTT</b>
<b>Power</b>	<b>Operating Voltage</b>	<b>12VDC to 24VDC</b>
<b>Mechanical</b>	<b>Casing</b>	<b>Plastic Casing</b>
	<b>Dimensions (W x L x H)</b>	<b>85mm x 100mm x 30mm</b>
<b>Environmental</b>	<b>Operating Temperature</b>	<b>-25 C +55 C</b>
	<b>Ambient Relative Humidity</b>	<b>5 ~ 95% RH, non-condensing</b>
<b>Certification</b>	<b>CE</b>	<b>SIEMIC CE2200</b>

# LED Status

LED	NAME	DESCRIPTION	
GREEN	POWER	Light when Power on the device	
RED	GSM	LED Status	
		Connection State	
		Flashing (ON for 100ms and OFF for 100ms)	SIM Card not found
		Flashing (ON for 500ms and OFF for 500ms)	Searching for GSM Network
		Flashing (ON for 0.1s and OFF for 2.9s) Once at every 3sec	GSM Network Registered
		Flashing twice at every 3sec	GPRS IP Connected
		Flashing 5times	GPRS IP Sending data
LED OFF	GSM Fault		
GREEN	COM TX	Blink on data transmission in RS485 port	
YELLOW	COM RX	Blink on data reception in RS485 port	

## SIM Card Installation



Push Yellow Nob



Pull the SIM Tray



Place the SIM card In tray Inside



Place the SIM Tray in SLOT and Push the Tray

We pursue a policy of continuous research and product development, Specifications and features are subject to change without notice