

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 4G

System	CPU	ARM Cortex
	SRAM	64 Kbytes
	Flash Memory	256 Kbytes
	Data Log Flash Memory	64MB (17000 Records Offline)
	WDT(watchdog)	Yes
	RTC	Onboard RTC
	Protection	2 KV Surge Protection on RS 485
Modem	LTE	LTE FDD: Max 150Mbps (DL)/Max 50Mbps (UL) LTE TDD: Max 130Mbps (DL)/Max 30Mbps (UL)
	GPRS/Edge	EDGE: Max 296Kbps (DL)/Max 236.8Kbps (UL) GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)
Serial ports	RS232 Utility port	RS-232: TxD, RxD, GND (use for device configuration and debug)
	RS485	RS-485: D+, D- (use for communication with other devices)
	Slaves	Maximum 8 Nos of Slave can be connected
	Baud Rate	Supports 2400,4800,9600,19200,38400,57600,115200
I/O Port	Analog Inputs	2 Nos of (0-5 V) and 1 No Analog Port (4-20 m amp)
Protocol	Transmit Protocol	TCP/ HTTP/ MQTT/SSL
Power	Operating Voltage	12VDC to 24VDC
Mechanical	Casing	Plastic Casing
	Dimensions (W x L x H)	85mm x 100mm x 30mm
Environmental	Operating Temperature	-25 C +55 C
	Ambient Relative Humidity	5 ~ 95% RH, non-condensing
Certification	CE	SIEMIC CE2200

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