

**Expand your data communication with E Track 4G Edge-  
Smart TCP Modbus/RTU/Inbuilt IO to GPRS/4G/LTE**

POWERAMR IOT GATEWAY CONNECTION

Pin Details

1	+12V
2	GND
3	RS485(A/D+)
4	RS485(B/D-)
5	DIN 1 ( 0 to 24V)
6	DIN 2 ( 0 to 24V)
7	ADI 1 ( 0 to 24V)
8	ADI 2 ( 0 to 24V)
9	AI+ (4 to 20mA)
10	AI- (4 to 20mA)
11	Relay (NO)
12	Relay (COM)



Specifications- E Track 4G Edge

System	CPU	ARM Cortex
	SRAM	32 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
Serial ports	Connector Interface	Micro Fit-5.0 (12 pins – 2 Power/2 Modbus/4 IOs)
	RS485	RS-485: D+, D- (use for communication with other devices)
	Slaves	16 Nos of Slave can be connected
	Baud Rate	Supports 2400,4800,9600,19200,38400,57600,115200
Ethernet	Interface	RJ45 Ethernet 10BASE-T or 100BASE-TX (Auto)
	Speed	10/100 Ethernet Half/ Full Duplex (Auto negotiating)
	TCP/IP Protocols	TCP, UDP, IPv4, ARP, IGMP
	Modbus protocol	TCP Modbus - Master
	Configuration	Auto Discover and Config using IP Utility
	Port	RJ45 With Link LED
I/O Port	Analog Inputs	2 Nos of ( 0-5 V) and 1 No Analog Port ( 4-20 m amp)

<b>Protocol</b>	<b>Transmit Protocol</b>	Configurable TCP,HTTP, HTTPS, MQTT - SSL
	<b>HTTP Method</b>	Configurable GET/POST
<b>Power</b>	<b>Input Voltage</b>	12VDC to 24VDC
	<b>Operating Power</b>	33 mA at 12VDC (0.4W – Idle) , (~1W – Transmission)
<b>Mechanical</b>	<b>Casing</b>	Plastic Casing
	<b>Dimensions (W x L x H)</b>	110mm x 90mm x 40 mm ( L x W x H )
	<b>Weight</b>	200 gms
<b>Environmental</b>	<b>Operating Temperature</b>	Operating: -20°C to +85°C (Industrial)
	<b>Ambient Relative Humidity</b>	5 ~ 95% RH, non-condensing
<b>GSM Specs</b>	<b>LTE</b>	LTE FDD: Max 150Mbps (DL)/Max 50Mbps (UL) LTE TDD: Max 130Mbps (DL)/Max 30Mbps (UL)
	<b>UMTS</b>	DC-HSDPA: Max 42Mbps (DL) HSUPA: Max 5.76Mbps (UL) WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL)
	<b>GPRS/EDGE</b>	EDGE: Max 296Kbps (DL)/Max 236.8Kbps (UL) GPRS: Max 107Kbps (DL)/Max 85.6Kbps (UL)
	<b>Transmitting Power</b>	Class 3 (23dBm±2dB) for LTE FDD Class 3 (23dBm±2dB) for LTE TDD Class E2 (27dBm±3dB) for EDGE 900MHz Class E2 (26dBm±3dB) for EDGE 1800MHz Class 4 (33dBm±2dB) for EGSM900 Class 1 (30dBm±2dB) for DCS1800

## 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	

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