4G IOT GATEWAY

EMSOL +Embedded solutions

INTRODUCTION

4G IoT Gateway Equips with high performance **ARM Cortex-A7** Application Processor. The Intelligent Gateway platforms built with extremely reliable hardware that was efficient and easy to integrate with back-end operating systems. The Modbus & Cellular LTE Cat4 options make it perfect for Industrial Remote Monitoring & Control based Applications

SPECIFICATIONS

Hardware	
Master Processor	ARM Cortex -A7
Clock Frequency	1.3 GHz
System Memory	128 MB DDR3, 256MB ROM
Storage	microSD Card
Battery	RTC, Lithium-ion - 4 Hours (Optional)
Input Voltage	8V - 36V DC
Temperature	40 °C to +85 °C

Connectivity- Wireless	
Cellular	LTE Cat 4, 2G/3G Fallback
BLE/WiFi	802.11a/b/g/n (Optional)
GPS	GNSS With Antenna (Optional)
LoRa	866.55 MHz (Indian Band) (Optional)

User Interfaces	
LED	Power Status LED, Wireless Connectivity Status

Software	
Operating System	Embedded Linux
Wireless Protocol Support	MQTT,HTTPS, HTTP, TCP, UDP
Wired Protocol Support	Modbus RTU

Connectivity- Wired	
I/O Ports	2x RS485 (Protected), 2 x Digital/Analog (0-10V), 1 x DO

Connectivity- Wired(Optional)	
I/O Ports	1 x RS232, 2 x 4-20 mA
USB	1 x USB HOST