INTELLIGENT INDUSTRIAL IOT GATEWAY

EMSOL
+Embedded solutions
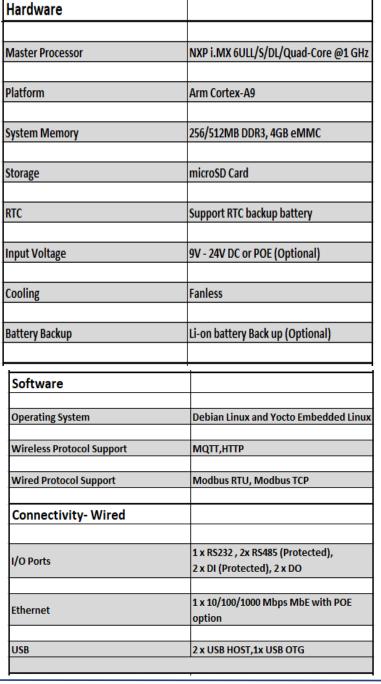
INTRODUCTION

Industrial IoT Gateway Equips with high performance **NXP i.MX6** Application Processor. The Intelligent Gateway platforms built with extremely reliable hardware that was efficient and easy to integrate with back-end operating systems. The dual Megabit Ethernet with 802.3af **(POE Power over Ethernet)** option makes it perfect for Industrial Remote Monitoring & Control based Applications

PoE
POWER OVER ETHERNET

SPECIFICATIONS

Hardware	
Master Processor	NXP i.MX 6ULL/S/DL/Quad-Core @1 GHz
Platform	Arm Cortex-A9
System Memory	256/512MB DDR3, 4GB eMMC
Storage	microSD Card
RTC	Support RTC backup battery
Input Voltage	9V - 24V DC or POE (Optional)
Cooling	Fanless
Battery Backup	Li-on battery Back up (Optional)

Software	
Operating System	Debian Linux and Yocto Embedded Linux
Wireless Protocol Support	MQTT,HTTP
Wired Protocol Support	Modbus RTU, Modbus TCP
Connectivity- Wired	
I/O Ports	1 x RS232 , 2x RS485 (Protected), 2 x DI (Protected), 2 x DO
Ethernet	1 x 10/100/1000 Mbps MbE with POE option
USB	2 x USB HOST,1x USB OTG

Connectivity- Wired(Optional)	
I/O Ports	2 x RS232/RS485/CAN 2 x 4-20 mA, 1 x RJ45

Connectivity- Wireless (Optional)	
Cellular (mini PCIe Slot)	LTE Cat M1 , 2G/3G Fallback
BLE/WiFi	802.11a/b/g/n

Display	
Interface Type	24 Bit RGB (7 Inch, 10.1 Inch Capacitive), Optional HDMI

Audio	
Audio Interface	1x Stereo Line In, 1 x Buzzer 1x Speaker Line Out

User Interfaces	
LED	Power Status LED, Wireless Connectivity Status