

MQTT (Modbus to MQTT w/ Data Logger over 4G) EX-9686-PRMS(with Wi-Fi;Ethernet;Serial;SD;

EX- 9686-PRMS MQTT



Specification

CPU	MT7688AN MIPS CPU, 580 MHz
RAM	128M Bytes DDR2 RAM
ROM	32M Bytes Flash ROM
OS	OpenWrt Linux OS
Ethernet	Port type RJ-45 Connector Speed 10 /100 M bps(Auto Detect) Protocol: ARP, IP, ICMP, UDP, TCP, HTTP, DHCP Protocol: NTP, FTP Mode : TCP Server / TCP Client / UDP Setup : HTTP Browser Setup (IE & Netscape), Console Security : Setup Password Protection Built-in 1.5KV Magnetic Isolation
Serial Port *2 ports	Port : RS-232/422/485 * 2 Port (RS-232 RX/TX only Port : RS-422 / 485 (Surge Protect) Speed: 300 bps ~ 921.6 K bps Parity: None , Odd , Even Data Bit: 5 , 6 , 7 , 8 Stop Bit : 1 , 2 RS-232 Pins : Rx , Tx , GND RS-422 : Rx+ , Rx- , Tx+ , Tx- (Surge Protect) , GND RS-485 : Data+ , Data- (Surge Protect) , GND 15KV ESD for all signals

4G/3G

Multi-band LTE-FDD/LTE-TDD/ HSPA+ / UMTS / EDGE / GPRS/ GSM
Support CAT 4 / CAT 1
4G Module mini-PCIE interface
Nano SIM slot

Features

- Support Modbus RTU/ASCII to MQTT
- Support Modbus Data Logger via MQTT
- Support 32 Topics, length adjustable
- Support 4 remote TCP connections as topics
- Easy settings by web Browser configuration
- On line F/W upgrade
- Support CVS file for Data Logger

Power

Input	DC 9 ~32V, 1000mA@ 12VDC
Connector	DC Jack & 2-pin terminal block
POE	Power over Ethernet 802.3 af(option)

Environment

Temperature	Operating -20°C ~ 70°C Storage: -25°C ~ 80°C
Dimensions	120 * 110 * 35 mm (W * D * H)
Weight	460g
Housing	Metal

WiFi

Standard	802.11b/g/n
Data Rate	11/54/72.2 Mbps @ 20Mhz Band Width
Modulation	DSSS OFDM
Frequency	2.4GHz
Tx Power 11b	Max. 22dBm
Tx Power 11g/n	Max. 19dBm
Rx Sensitivity	-76dBm@54Mbps; -89.5dBm@11Mbps
Tx Rate : Max	54Mbps with auto fallback
Tx Distance	Up to 100m
Security	WEP 64-bit / 128-bit data encryption, WPA / WPA2
Antenna	2 dBi ; RP-SMA connector
Network Mode	Infrastructure; Soft AP (for Setup) TCP Server/ TCP Client/ UDP/ Virtual Com/ pairing
Setup	HTTP Browser Setup (IE, Chrome, Firefox)
Security	Login Password

OpenWrt programming

Led Lamp	SYS, PWR, PoE(option), WiFi, RX, TX, LAN
Configuration	Window Utility, Web Browser RTC : Real Time Clock
Buzzer	
Watch Dog Function	
SD Interface	: micro SD card (for storage)