भारते निर्मितम्

ATREYO®
SOLUTIONS THAT SIMPLIFY

Features

- OpenWRT system
- Inbuilt website for configuration
- 4G LTE, GSM, WiFi connectivity
- Dual SIM card support
- Inbuilt GNSS
- Opto-isolated RS485 and RS232
- USB host with support of storage and additional serial converters
- LAN and WAN interfaces
- Advanced routing techniques and support for multiple VPNs
- 6000+ ready-to-use applications
- Fully programmable Linux environment

Advantages

- More RAM in this class of products
- Additional 512MB memory as overlay
- Opto-isolated serials and I/Os
- Native application for Modbus RTU/TCP gateway with MQTT, HTTP and TCP/IP
- Possibility to write your own applications and scripts
- Supports C, Python, Java, NodeJS etc.
- Compatible with multiple industrial protocols
- Integration with Atra

Applications

- Controlling and monitoring urban infrastructure
- Remote access to PLC and machines through VPN
- Monitoring of energy supply systems for solar and grid and water supply
- Monitoring of oil and coal mining machinery

AG-702

Programmable OpenWRT 4G LTE IoT Gateway with RS485, RS232 and I/O



Introduction

AG-702 is an innovative 4G LTE cellular Gateway with 2 Ethernet ports, WiFi, RS485, RS232 and digital I/Os working on OpenWRT system. It can connect in multiple ways to the Internet with dual SIM capability and a range of advanced functions for mission critical IoT or M2M applications. AG-702 also support MQTT protocol for Cloud application and Modbus TCP/IP or RTU for industrial applications.

Technical specification

CPU	580Mhz MIPS 24KEc processor
Storage	64MB+512MB ExtRoot support (overlay)
Memory	256MB RAM DDR2
Cellular	4G LTE CAT1 or CAT4, GSM with dual SIM
Ethernet	2 x 10/100 Ethernet WAN + LAN
GNSS	GPS, BDS, Galileo, GLONASS, QZSS
WiFi	IEEE 802.11b/g/n (AP and client)
Serial	1 x RS485, 1 x RS232 opto-isolated
Input/output	2 x opto-isolated digital input 1 relay output
Other	1 x USB host with USB storage support
Power	8-48V DC, passive PoE
Housing	Aluminium with DIN rail mounting option

Documentation

Product page

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