भारते निर्मितम्

ATREYO
SOLUTIONS THAT SIMPLIFY

AIC-550

High-Performance Linux Industrial Computer



Features

- Debian Linux system
- Dual GB Ethernet port
- Cellular, WiFi and Bluetooth connectivity
- Dual SIM card support
- Inbuilt GNSS
- Opto-isolated dual RS485
- USB 3.0 host x1
- USB host x3
- Fully programmable Linux environment
- HDMI with 4K display support

Advantages

- Node-RED support for local logic with GUI
- Industrial temperature range
- Inbuilt memory and SD card support
- Opto-isolated serials and I/Os
- 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
- Control of machines
- Monitoring of energy supply systems for solar and grid and water supply
- Monitoring of oil and coal mining machinery

Introduction

Programmable industrial IoT Gateway working on Linux systems. It provides the ability to install custom scripts and use ready-made scripts. Under the control of the NodeRED it gives unlimited possibilities for easy creation of gateway operation logic. It also has an cellular modem with support for 2 SIM cards. It has two LAN, two isolated RS485 interfaces and four opto-isolated I/Os.

Technical specification

CPU	Quad core Cortex A55 ARM processor
Storage	16-64GB
Memory	2/4/8GB RAM
Cellular	4G LTE, GSM with dual SIM (CAT1 or CAT4)
Ethernet	2 x 10/100/1000 Ethernet
GNSS	GPS, BDS, Galileo, GLONASS, QZSS
WiFi	IEEE 802.11b/g/n (optional)
Serial	2 x RS485 opto-isolated (optional CAN)
Input/output	1 x digital input
Other	3 x USB host with USB storage support
Power	8-48V DC
Housing	Aluminium with DIN rail mounting option

Documentation

Product page

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