ECU-1051TL

Cloud enabled Intelligent Communication Gateway for IIOT application

NEW a filit

CE, FCC Wall-Mount/ DIN-Rail

10 ~ 30 V_{DC}

Yes

Yes

Features

- TI Cortex A8 600MHz CPU with DDR3L 256MB RAM
- Support web service for remotely on-line monitoring .
- Firmware update by SD card and online update
- Data logger on SD card
- Support dual SIM slots for communication redundant
- Support MQTT Client for cloud communication
- Wide Operating temperature: -40 ~ 70°C

Introduction

For facility monitoring, distributed solar power, smart factory sector, especially cloud based applications which require a total wireless and Ethernet communication solutions, Advantech has released the ECU-1051TL RISC-based industrial communication gateway. ECU-1051TL has an open platform design with Cortex A8 processor, two 10/100 Ethernet ports and operating temperature range of -40-70°C.WithLinux operating system and open Edgelink SDK, which enable to system integrators to develop applications which precisely fit their need.

Specifications

General

- Certification
- Mounting
- Power consumption (typical) 2.4W @ 24VDC Power Requirements

System

- CPU
- Memorv Indicators
- Storage
- SD Slot
- Watchdog
- . Real-time clock

Communication

- Serial Port
- Serial Port Speed Ethernet Port
- . Wireless (Optional)
- **Communication Protocol** Drivers
- PLC Driver Support
- Data Logger
- Database uplink Programming support

Software

OS Support . **Configuration Tool**

Environment

- **Operating Temperature**
- Storage Temperature
- Humidity

Serial Port: 2 x RS232/RS485(isolation optional) RS-232/RS-485: 50 ~ 115200 bps 2 x 10/100 Base-T RJ-45 ports Interface: 1x Mini-PCIe (Full-size)

Type: WIFI/Cellular/4G Signal: USB IEC-60870-5-104

Modbus TCP/RTU MQTT FTP/HTTP/DHCP/TCP/IP 100+ PLC drivers Real-time datalogger ODBC/ FTP Linux C, Restful API, Web service API. Event Manager

RT-Linux 3.12 Advantech Edgelink Studio

-40~70°C -40~85°C 5 ~ 95% (non-condensing)

Ordering Information

ECU-1051TL-R10AAE TI Cortex A8 industrial communication gateway with Edaelink

LTE Cat 4 Module with GNSS SMA(F) Cable, 15 cm

Dipole Antenna, 11 cm

SMA(M) cable, 15 cm

Cellular Solution (SIM card is not included)

- 96PD-EC25EFA
- 1750006264
- 1750005865

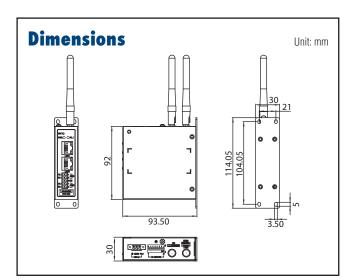
WIFI Solution (recommended)

- 96PD-RYUW131
- 1750006043 1750000318
 - 2dBi antenna for testing, 11 cm

Storage Solution

- 96FMMSDI-4G-ET-AT1
 - 96FMMSDI-8G-ET-AT1
- ATP 4G MICRO SD CARD I-GRD SLC(G) ATP 8G MICRO SD CARD I-GRD SLC(G)

2.4GHz Wi-Fi Full/Half Size Mini PCIe Card



AD\ANTECH **Power & Energy Solution**

All product specifications are subject to change without notice.

TI Cortex A8, 600MHz LEDs for Power, LAN (LINK, ACT), Programmable

DDR3L 256MB 512MB NAND Flash 1 x Micro-SD slot