ECU-1252

TI Cortex A9 Industrial Communication Gateway with 2 x CAN, 2 x LAN, 2 x COM **Ports**



Features

- TI Cortex A9 600MHz CPU
- DDR3L 2GB RAM
- 16GB eMMC for system storage
- . 1 x Micro-SD Slot
- 2 x CAN port
- 2 x RS-232/485 isolated serial ports
- 2 x 1000 Base-T Ethernet ports
- 1 x Mini-PCle for WIFI/Cellular/4G
- Support web service for remotely on-line monitoring
- Support SD card & on-line firmware update
- Support Modbus, IEC-60870-101/104 protocol
- Support Data logger on SD card
- Operation System: RT-Linux
- Operation Temperature -40~70°C

Introduction

For solar power, electricity and factory related applications which require a total wireless and Ethernet communication solutions, Advantech has released the ECU-1252 RISCbased industrial communication gateway. ECU-1252 has an open platform design with Cortex A9 processor, up to 2 RS-232/485 isolated serial ports, 2 CAN ports, 2 1000 Base-T Ethernet ports and operating temperature range of -40~70°C. With Linux operating system and open Edgelink SDK, which enable system integrators to develop applications precisely fit their need.

Specifications

General

- Certification
- Mounting
- Power consumption (typical)
- Power Requirements

System

- CPU
- Memory Indicators
- Storage
- SD Slot
- Watchdog
- Real-time clock
- Node ID Security

Communication

- Serial Port
- Isolation
- Serial Port Speed
- Ethernet Port
- CAN Port
- Wireless (Optional)

Software

- OS Support
- **Configuration Tool**
- Protocol Support
- Programming

Environment

- Operating Temperature
- Storage Temperature
- Humidity

- 2.4W @ 24Vpc $10 \sim 30 V_{DC}$ TI Cortex A9, 600MHz DDR3L 2GB LEDs for Power, Run, Error, LAN (LINK, ACT),
- Serial (Tx, Rx), Programmable 16GB eMMC for system storage 1 x Micro-SD slot Yes
- Yes

CE. FCC

Wall-Mount/ DIN-Rail

8-bit TPM 2.0

2 x RS-232/485 $3000 \; V_{\text{DC}}$ 50~115200bps

1 x 100/1 x 1000 Base-T RJ-45 ports 2 x CAN (2PIN) Interface: 1x Mini-PCIe (Full-size) Type: WIFI/Cellular/4G

Signal: USB

RT-Linux 4.9 Advantech Edgelink Studio Modbus, IEC-60870-101(master)/ 104(slave) Linux C

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

Ordering Information

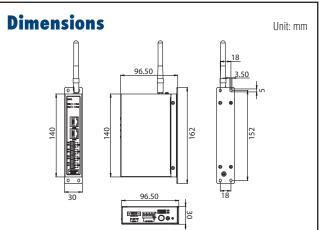
ECU-1252TL-R22AA

Wi-Fi Solution

- 96PD-RYUW131

Cellular Solution (SIM card is not included)

- 96PD-EC25EFA
- 1750005865
- 1750008303-01



AD\ANTECH **Power & Energy Solution**

All product specifications are subject to change without notice.

- 96FMMSDI-8G-ET-AT1 ATP 8G MICRO SD CARD I-GRD SLC(G)
- LTE Cat 4 Module with GNSS SMA(F) Cable, 15 cm 1750006264 Dipole Antenna, 11 cm
- 1750006264

SMA(F) Cable, 15 cm Antenna AN0727-64SP6BSM

96PD-MDG200AU0 AMIC 4G.Cat4 Socket Modem(US)

Storage Solution

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

2.4GHz Wi-Fi Full/Half Size Mini PCle Card SMA(M) cable, 15 cm 2dBi antenna for testing, 11 cm

TI Cortex A9 Industrial Communication Gateway with

2 x CAN, 2 x LAN, 2 x COM Ports

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