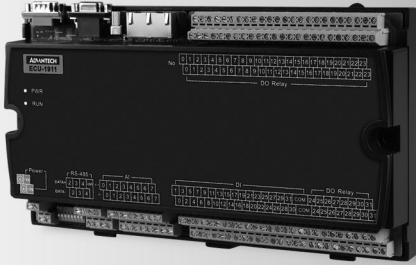


ECU-1911

Xscale @ PXA-270 520 MHz RTU with
8-ch 16-bit AI, 32-ch DI, 32-ch DO

NEW



CE FCC

Features

- Onboard Xscale @ PXA-270 520 MHz CPU
- 1 x RS-232 port
- 3 x RS-485 isolated ports
- 2 x 10/100Base-T RJ-45 ports
- 8-ch 16-bit differential Analog Input
- 32-ch isolated Digital Input
- 32-ch isolated Digital Output
- Built-in Window CE 5.0

Introduction

The ECU-1911 focuses on RTU monitor application. The ECU-1911 is also a standalone RTU that provides a 16-bit 8-ch A/D converter, 32-ch Relay and 32-ch Digital Input. This controller also supports four serial communication ports and two networking interfaces. You can seamlessly integrate your applications into the ECU-1911 and speed up your system development with this application ready RTU.

Specifications

General

- **Power Consumption** <10 W (Typical)
- **Power Requirements** 24 V_{DC} (Typical) (10 V_{DC} Min ~ 30 V_{DC} Max)
- **OS Support** Windows CE 5.0

System Hardware

- **CPU** Xscale @ PXA-270 520MHz
- **Memory** Onboard 64 MB SDRAM/ 32 MB Flash
- **Storage** 1 x type I/II Compact Flash slot
- **Display** VGA 640 x480 @ 60Hz

Digital Input

- **Channels** 32
- **I/O Type** Sink
- **Wet Contact** Logic 0: 0 ~ 10 V
Logic 1: 19 ~ 30 V
- **Isolation** 3000 V_{DC}
- **Connector** Terminal Block (#14 ~ 22 AWG)

Digital Output

- **Channels** 32
- **I/O Type** Power Relay Form A
- **Contact Rating** AC: 5A @ 250 V; DC: 30 V @ 5 A (Resistive Load)
- **Isolation** 500 V_{DC}
- **Connector** Terminal Block (#14 ~ 22 AWG)

Analog Input

- **Channels** 8 differential
- **Resolution** 16 bits
- **Sampling rate** 10 Hz/sec (total)
- **Input Impedance** 700 k Ω
- **Input Range** 0 ~ 150 mV, 0 ~ 500 mV, 0 ~ 1 V, 0 ~ 5 V, 0 ~ 10 V,
0 ~ 15 V, ± 150 mV, ± 500 mV, ± 1 V, ± 5 V, ± 10 V,
 ± 15 V, ± 20 mA, 4 ~ 20 mA
- **Accuracy** Voltage : ± 0.1 %
Current : ± 0.2 %
- **Span Drift** ± 25 ppm/ $^{\circ}$ C
- **Zero Drift** ± 6 μ V/ $^{\circ}$ C

Environment

- **Storage Humidity** 5 ~ 95% @ 40 $^{\circ}$ C (non-condensing)
- **Operating Temperature** -20 ~ 70 $^{\circ}$ C (-4 ~ 158 $^{\circ}$ F) @ 5 ~ 85% RH
- **Storage Temperature** -40 ~ 80 $^{\circ}$ C (-40 ~ 176 $^{\circ}$ F)

I/O Interface

- **Serial Ports** 1 x RS-232, 3 x RS-485 (Automatic RS-485 data flow)
- **LAN** 2 x 10/100Base-T RJ-45 ports
- **USB Port** 1 x USB, OpenHCI, Rev. 1.1 compliant

Ordering Information

- **ECU-1911-R0CAE** Xscale @ PXA-270 520 MHz RTU with 8-ch 16-bit Analog Input, 32-ch Digital Input, and 32-ch Digital Output