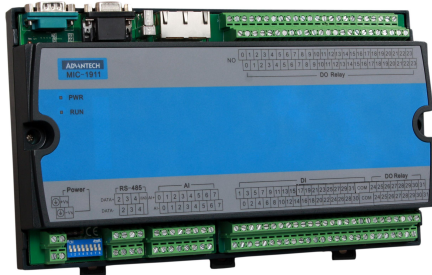


MIC-1911

technics

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



Features

- Onboard Xscale @ PXA-270 520MHz CPU
- 1 x RS-232 port,
- 3 xRS-485 isolated ports
- 2 x 10/100Base-T RJ-45 ports
- 8-ch 16-bit differential Analog Input
- 32-ch Isolated DI
- 32-ch Isolated DO
- Built-in Window CE 5.0
- Rich Protocol Support including Modbus, DLMS, IEC-602870-5-101, 103, 104, Ethernet /IP etc.

Introduction

MIC-1911 is focus on FRTU/RTU monitor application. It is a standalone Controller that provides a 16-bit 8-ch A/D converter, 32-ch Relay and 32-ch Digital input. This controller also supports 4 serial communication ports and 2 networking interfaces. This smart device offers features like Data acquisition, Protocol Conversion, Data logging, FTP, NTP, SMTP and Remote Maintenance.

Specifications

General

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

System Hardware

- **CPU** Xscale @ PXA-270 20MHz
- **Memory** Onboard 64 MB SDRAM/32 MB Flash
- **Storage** 1 x type I/II Compact Flash slot

Digital Input

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

Digital Output

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

Analog Input

- **Channels** 8 differential
- **Resolution** 16 bits
- **Sampling rate** 10Hz /sec. (total)
- **Input Impedance** Voltage: 20 M Ω
Current: 120 Ω (Build-in120 Ω . for Current)
- **Input Range** 0 ~ 150 mV, 0 ~ 500 mV, 0 ~ 1 V, 0 ~ 5 V, 0 ~ 10V,
0 ~ 15 V, \pm 150 mV, \pm 500mV, \pm 1 V, \pm 5 V, \pm 10 V,
 \pm 15 V, \pm 20 mA, 4 ~ 20 mA

Environment

- **Humidity** 5~95% @ 40°C (non-condensing)
- **Operating Temperature** -10 ~ 60°C (14 ~140°F)
- **Storage Temperature** -20 ~ 80°C (-4 ~176°F)

I/O Interface

- **Serial Ports** 1 x RS-232 with DB9(RTS,CTS,TX,RX),
3 xRS-485 with Terminal Block connector,
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

- **MIC-1911-AE** Xscale @PXA-270 520MHz RTU with 8-ch
16-bit AI,32-ch DI,32-ch DO

Protocols Supported ModBus RTU, ModBus TCP, DLMS, IEC 60870-5-101, 103, 104, Ethernet /IP etc.