UNO-2170

Features

- Onboard Celeron® M 1.0 GHz
- Provides 512 KB battery-backup SRAM
- Two RS-232 and two RS-232/422/485 ports with automatic flow control.
- Two 10/100Base-T RJ-45 ports
- Two USB and one type I/II PC Card
- PC/104 expansion slots
- Windows® CE 5.0, Windows XP Embedded, and Linux ready solution

Introduction

UNO-2170 is an embedded automation computer that supports PC/104 expansion, serial communication ports and several other networking interfaces. UNO-2170 supports Windows XP Embedded OS and Windows CE 5.0, which offers a pre-configured image with optimized onboard device drivers. Windows XP Embedded delivers the power of the Windows operating system in componentized form. You can seamlessly integrate your applications into Windows XP Embedded and speed up your system development with an application ready platform that can provide a rich networking interface to fulfill diverse requirements.

Specifications

General

- **Certifications**   CE, FCC class A, UL
- **Dimensions (W x D x H)**   255 x 152 x 50 mm (10" x 6.0" x 2.0")
- **Enclosure**   Aluminum
- **Mounting**   Wall
- **Power Consumption**   24 W (Typical)
- **Power Input**   9 ~ 36 V_{DC} (e.g +24 V @ 2 A) (Min. 48 W), AT
- **Weight**   1.6 kg
- **OS Support**   Windows XP Embedded, Windows 2000/XP, Windows CE 5.0, Linux

System Hardware

- **CPU**   Celeron M 1.0 GHz
- **Memory**   512 MB DDR SDRAM
- **Battery Backup RAM**   512 KB
- **Indicators**   LEDs for power, IDE, alarm for RAM backup battery,
- **Keyboard/Mouse**   1 x PS/2
- **PC Card**   1 x PC Card slot, supports CardBus (Card-32) Card and 16-bit (PCMCIA 2.1/JEIDA4.2) card
Supports +5, +3.3 and +12 V @ 120 mA working power
- **PC/104**   2 x PC/104 slots (optional). Supports +5V power
- **Printer Port**   1 x printer port
- **Storage**   SSD: 1 x internal type I/II CompactFlash® slot
HDD: one standard 2.5" HDD
- **VGA**   DB15 VGA connector, 1600 x 1200 @ 85 Hz
- **Watchdog Timer**   Programmable

Communications

- **Serial Ports**   2 × RS-232, 2 x RS-232/422/485 with DB9 connectors
Automatic RS-485 data flow control
- **Serial Port Speed**   RS-232: 50 ~ 115.2 kbps
RS-422/485: 50 ~ 921.6 kbps (Max.)
- **LAN**   2 x 10/100 Base-T RJ-45 ports
- **USB Ports**   2 x USB, UHCI, Rev. 2.0 compliant

Environment

- **Humidity**   95% @ 40° C (non-condensing)
- **Operating Temperature**   -20 ~ 50° C (-4 ~ 122° F) @ 5 ~ 85% RH.
- **Shock Protection**   IEC 68 2-27
CompactFlash: 50 G @ wall mount, half sine, 11 ms
HDD: 20 G @ wall mount, half sine, 11 ms
- **Vibration Protection**   IEC 68 2-64 (Random 1 Oct./min, 1hr/axis.)
CompactFlash: 2 Grms @ 5 ~ 500 Hz,
HDD: 0.5 Grms @ 5 ~ 500 Hz

Ordering Information

- **UNO-2170-C11E**   C-M 1.0 G, 512 MB RAM UNO-2170

Accessories

- **UNO-PCM21-AE**   UNO-2100 series 2 x PC/104 expansion kit
- **UNO-FPM21-AE**   UNO & FPM integration kit