UNO-2170

Intel® Celeron® M UNO with 2 x LAN, 4 x COM, PC/104

Features

- Onboard Celeron® M 600 MHz or Celeron M 1.0 GHz
- Onboard 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 & 6.0, Windows XP Embedded, and Linux ready solution
- Onboard system status LED indicators
- Supports Boot From LAN function
- Fanless and no internal cabling design

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 & 6.0, 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, CCC
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 & 6.0, Linux

System Hardware

CPU	Celeron M 600 MHz, Celeron M 1.0 GHz
Memory	256 MB/512 MB DDR SDRAM
Battery Backup SRAM	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 +5 V 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 x 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 (Built-in boot ROM in flash BIOS)
USB Ports	2 x USB, EHCI, 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-C00E	C-M 600M, 256 MB RAM UNO-2170
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

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