UNO-1170/E

Intel® Pentium® M/Celeron® M Fanless Box PC with 2 x LAN, 3 x COM, 4 x USB, PC/104+

NEW

UNO-1170 ▲   UNO-1170E ▲

Features

- Onboard Celeron® M 1.0 GHz or Pentium® M 1.4 GHz
- Onboard 512 KB battery-backup SRAM
- Onboard system & I/O LED indicators
- Two RS-232 and one RS-232/422/485 ports with automatic flow control
- Two 10/100Base-T RJ-45 ports
- 3 x external USB and 1 x internal USB for dongle and flash drive
- PC/104+ expansion slots option
- DIN-rail design for easy installation in field cabinet
- Wide temperature operation
- Windows® CE 6.0, Windows XP Embedded, and Linux ready solution
- Supports Boot from LAN function
- Fanless design with no internal cabling

Introduction

UNO-1170(E) is an DIN-rail based Fanless Box PC, which provides several serial communication ports and Ethernet interfaces, with a compact size, small foot print, and help to saves space and its front accessible is very convenient for wiring and DIN-rail design for easy installation in field cabinet. With rich OS and driver supports, such as Windows XP embedded, WinCE 6.0, and even embedded Linux. You can integrate your applications easily with an application ready platform that can provide a versatile function to fulfill diverse requirements.

Specifications

General

- **Certification** — CE, FCC Class A, UL, CCC
- **Dimension (W x H x D)** — 85 x 155 x 140 mm (3.4" x 6.1" x 5.6") (for UNO-1170)
  110 x 155 x 140 mm (4.4" x 6.1" x 5.6")
  (for UNO-1170E)
- **Enclosure** — Aluminum + SECC
- **Mounting** — DIN-rail, Wallmount
- **Power Consumption** — 24 W (Typical)
- **Power Requirement** — 10 ~ 36 V_{DC} (e.g +24 V @ 2 A) (Min. 48 W), AT
- **Weight** — 1.6 KG (for UNO-1170)
  2.0 KG (for UNO-1170E)
- **OS Support** — Windows XP embedded, Windows 2000 & XP, Windows CE 6.0, Linux

System Hardware

- **CPU** — Pentium M 1.4 GHz, Celeron M 1.0 GHz
- **Memory** — 512 MB/1 GB DDR SDRAM
- **Battery Backup SRAM** — 512 KB
- **Indicators** — LEDs for Power, IDE, LAN (Active, Status), Serial (Tx, Rx), Alarm for battery backup SRAM and diagnosis (programmable)
  Buzzer for Diagnosis (programmable)
- **Keyboard/Mouse** — 1 x PS/2
- **Storage** — SSD: 1 x internal type I/II CompactFlash slot
  HDD: one 2.5" SATA HDD bracket
  (Only for UNO-1170E)
- **PC/104 Slot** — PC/104+ slot, supports 3.3 V & +5 V
  (Only for UNO-1170E)
- **Mini PCI** — 1x MiniPCI (UNO-1170E only)
- **Display** — DB15 VGA connector, 1600 x 1200 @ 85 Hz
- **Audio** — Line in, Line out
- **Watchdog Timer** — Programmable 256 levels timer interval, from 1 to 255 sec

I/O Interface

- **Serial Ports** — 2 x RS-232, 1 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
- **LAN** — 2 x 10/100 Base-T RJ-45 ports (Built-in boot ROM in flash BIOS)
- **USB** — 4 x USB, EHCI, Rev. 2.0 compliant (1 is for USB dongle and USB flash inside chassis)

Environment

- **Operating Temperature** — -10 ~ 60° C (-4 ~ 140° F)
- **Storage Temperature** — -20 ~ 80° C (-4 ~ 176° F)
- **Operating Humidity** — 20 ~ 95% (non-condensing)
- **Storage Humidity** — 0 ~ 95% (non-condensing)
- **Shock Protection** — IEC 68 2-27
  CompactFlash: 50 G @ wall mount, half sine, 11 ms
  HDD: 20 G @ wall mount, half sine, 11 ms (Only for UNO-1170E)
- **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 (Only for UNO-1170E)

Ordering Information

- **UNO-1170-C11E** — Celeron M 1 GHz, 512 MB RAM Fanless Box PC
- **UNO-1170E-C11E** — Celeron M 1 GHz, 512 MB, Fanless Box PC w/PC/104+
- **UNO-1170-P12E** — Pentium M 1.4 GHz, 1 GB RAM Fanless Box PC
- **UNO-1170E-P12E** — Pentium M 1.4 GHz, 1 GB, Fanless Box PC w/PC/104+

Accessories

- **UNO-FPM11-AE** — UNO-1100 series VESA mount kit