

# UNO-1170E

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



## Features

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

## Introduction

UNO-1170E is a DIN-rail based Fanless Box PC, which provides several serial communication ports and Ethernet interfaces, with a compact size, small foot print, and helps to save space. It's front accessible, very convenient for wiring and is also DIN-rail design for easy installation in field cabinets. It has rich OS and driver supports, such as Windows XP embedded. You can integrate your applications easily with an application ready platform that can provide a versatile function to fulfill diverse requirements.

## Specifications

### General

- Certifications CE, FCC class A, UL, CCC
- Dimensions (WxHxD) 4.4" x 6.1" x 5.6"
- Enclosure Aluminum + SECC
- Mounting Wallmount, DIN-rail
- OS Support Windows® XP Embedded,
- Power Consumption 48W
- Power Requirements 10~36 VDC (e.g +24V@1A) (Min. 48W), AT
- Weight (Net) 1.6 kg

### System Hardware

- CPU Pentium® M 1.4 GHz
- Memory 1GB DDR SDRAM
- Battery Backup 512 KB SRAM
- Indicators LEDs for Power, IDE, LAN (Active, Status), Serial (Tx, Rx), Alarm for battery backup SRAM and diagnosis (programmable)
- Storage 4GB CompactFlash®
- Keyboard/Mouse 1 x PS/2
- PC/104 Slot Supports 3.3 V & +5 V
- Mini PCI 1 x MiniPCI
- Display DB15 VGA Connector, 1600x1200 @ 85 Hz
- Audio Line in, Line out
- Watchdog Timer Programmable 256 levels timer interval, from 1 to 255 sec

### I/O Interface

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

### Environment

- Operating Humidity 20 ~ 95% (non-condensing)
- Storage Humidity 0 ~ 95% (non-condensing)
- Operating Temp -10 ~ 60C
- Storage Temp -20 ~ 80C
- 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

- C-UNO1170-4GB-CF-XPE

### Accessories

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

**ADVANTECH**

eAutomation