UNO-4678

Intel® Celeron® M Power & Energy Automation Computers with 3 x LAN, 8 x COM, PC/104

NEW

Features

- Onboard Celeron® 1 GHz processor and or 1024 MB RAM
- Supports Lm sensor which can retrieve CPU and board temperature for monitoring purposes
- 8 x isolated RS-232/422/485 ports with automatic flow control
- 3 x 10/100Base-T RJ-45 ports
- Supports two USB and 1 x type I/II CF card
- Windows® CE 5.0 and Windows XP Embedded ready solution
- Windows 2000/XP driver ready and Linux driver support
- Windows XP Embedded (SP2) ready platform with write protection (EWF)
- Onboard system & I/O LED indicators
- Fanless design with no internal cabling

RoHS COMPLIANT 2002/95/EC CCC CE FCC c UL us LISTED E180881 I.T.E.

Introduction

UNO-4678 is high-performance Fanless Box PC, which supports a Celeron M 1 GHz CPU, and equipped with eight isolated serial communication ports. They inherit the glory from the UNO family and includes the typical characteristics as it is fanless, robust, and reliable. Furthermore, in order to meet the diverse applications in industrial automation and control, varied interfaces and 1U form factor are suitable for use, especially for rack mounting. Also, LEDs for all ports and modes on the front panel simplify the monitoring status for operation, administration and maintenance. UNO-4678 is convenient and user-friendly platforms to fulfill a wide range of requirements.

Specifications

General

- **Certification** — CE, FCC class A, CCC,Electricity IV level for China
- **Dimensions (W x D x H)** — 1U (440 x 220 x 44 mm/17.3" x 8.6" x 1.7")
- **Enclosure** — SECC & Aluminum
- **Mounting** — Rack mount
- **Power Consumption** — 24 W (Typical)
- **Power Requirements** — DC: 9 ~ 36 V$_{DC}$
- **Weight** — 3.6 kg
- **OS Support** — Windows® XP Embedded, Windows CE 6.0, Linux

System Hardware

- **CPU** — Celeron M 1.0 GHz
- **Memory** — 1024 MB DDR SDRAM (UNO-4678-C12E)
- **Indicators** — LEDs for Power, Power Input 1 & 2, Power fault, IDE, LAN (Active, Status) and Serial (Tx, Rx)
- **Keyboard/Mouse** — 1 x PS/2
- **Storage** — 1 x internal typeI/II CompactFlash® slot, 1 x Built-in 2.5" IDE HDD bracket
- **Display** — VGA, 1600 x 1200 @ 85 Hz

I/O Interface

- **Serial Ports** — 8 Ports, 8 x RS/232/422/485 (Automatic RS-485 data flow control)
- **Serial Port Speed** — RS-232: 50 ~ 230.4 kbps RS-422/485: 50 ~ 921.6 kbps (Max.)
- **LAN** — 3 x 10/100Base-T RJ-45 ports
- **USB Ports** — 2 x USB (include 1 x internal USB), EHCI, Rev. 2.0 compliant

Environment

- **Storage Humidity** — 95% @ 40°C (non-condensing)
- **Operating Temperature** — -10 ~ 50°C (14 ~ 122°F)
- **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-4678-C12E** — Celeron M 1 GHz, 1024 MB RAM Power & Energy Automation Computers

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