UNO-2668
UNO-2678

Celeron® 400 MHz UNO with 3xLAN, 8xIsolated RS-232/422/485 and 1U Form Factor

Celeron® M 1 GHz UNO with 3xLAN, 8xIsolated RS-232/422/485 and 1U Form Factor

Features

- Onboard Celeron® 400 MHz, Celeron® 600 MHz or Cleron® M 1 GHz processor
- Supports 256/512 MB Memory
- Supports Lm sensor which can retrieve CPU and board temperature for monitoring purposes
- Eight isolated RS-232/422/485 ports with automatic flow control.
- Three 10/100Base-T RJ-45 ports.
- Supports Two USB and one type I/II CF card.
- Windows® CE .NET, 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)

CE FCC

Introduction

UNO-2668 and UNO-2678 are high-performance controllers from Celeron 400 MHz grade up to Celeron M 1 GHz grade, and both are 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. Both UNO-2668 and UNO-2678 are convenient and user-friendly platforms to fulfill a wide range of requirements.

Specifications

General

- **Certifications** CE, FCC class A,
- **Dimensions (WxDxH)** 1U (440 x 220 x 44)mm (17.3" x 8.6" x 1.7")
- **Enclosure** SECC
- **Mounting** Rack, wall
- **Power Consumption** 22 W (Typical)
- **Power Input** Min. 48 W (9 ~ 36 V_{DC}) (e.g +24 V @ 2 A)
- **Weight** 3.6 kg
- **OS Support** Windows® XP Embedded, Windows® 2000/XP, Windows® CE .NET 5.0, Linux

System Hardware

- **CPU** UNO-2668: Celeron® 400 Mhz
  UNO-2678: Celeron® 600 MHz (Celeron® M Core), or Celeron® M 1 GHz
- **Indicators** Power, Power input 1, Power input 2, Power fault, IDE, and all ports Tx/Rx monitoring
- **Keyboard/Mouse** 1 x PS/2
- **Memory** UNO-2668: 256 MB SDRAM
  UNO-2678: 256/512 MB DDR DRAM
- **Storage** SSD: 1 x internal type I/II CompactFlash® slot
  HDD: built in extension kit for one standard 2.5" HDD
- **VGA** DB15 VGA connector

Communications

- **Serial Ports** Eight RS-232/422/485 ports include:
  - 2 x DB-9 connectors with 9-wired RS-232
  - 6 x screw terminals with 5-wired RS-232
  Automatic RS-485 data flow control
  2000 V_{DC} surge protection & 2000 V_{DC} isolation
- **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** UNO-2668: 2 x USB, UHCI, Rev. 1.1 compliant
  UNO-2678: 2 x USB, UHCI, Rev. 2.0 compliant

Environment

- **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

Hardware

- **UNO-2668-JDA0** Celeron 400 MHz, 256 MB SDRAM, 3xLAN, 8xCOM
- **UNO-2678-NDA0** Celeron 600 MHz, 256 MB DDR, 3xLAN, 8xCOM
- **UNO-2678-RDA0** Celeron M 1 GHz, 512 MB DDR, 3xLAN, 8xCOM

Hardware with OS

- **UNO-2668CE-JDA0** UNO-2668-JDA0 with 32 MB CF and CE .NET 5.0
- **UNO-2668XP-JIA0** UNO-2668-JDA0 with 1 GB CF and XPE (SP2)
- **UNO-2678CE-NDA0** UNO-2678-NDA0 with 32 MB CF and CE .NET 5.0
- **UNO-2678XP-NIA0** UNO-2678-NDA0 with 1 GB CF and XPE (SP2)

All product specifications are subject to change without notice