UNO-2362G

AMD® Dual Core T40E Small-Size Automation Computer w/1 x GbE, 1 x mPCle, HDMI, DP



Features

- Onboard AMD® Dual Core T40E 1.0GHz processors with 2GB DDR3 SODIMM
- 1 x GbE, 4 x USB 2.0, 1 x RS-232, 1 x RS-485, 1 x DP, 1 x HDMI
- Compact with fanless design
- Rubber stopper design with captive screws
- · Daisy-chain for Ethernet with auto-bypass protection enabled
- Diverse system I/O and isolated digital I/O by iDoor technology
- 3G/GPS/GPRS/Wi-Fi communication by iDoor technology
- Supports battery-backup MRAM by iDoor technology
- Chassis grounding protection











Introduction

Advantech's UNO-2000 series of Embedded Automation Computers are fanless, with a highly ruggedized embedded operating system (Windows CE, Windows XPE, Linux-Embedded). The series also includes iDoor technology which supports automation feature extensions such as industry fieldbus communication, Wi-Fi/3G, Digital I/O, including palm, small, and regular-size form-factors with indicated market segments in terms of entry, value and performance product positioning. Both entry and value Embedded Automation Computers feature specific functions and they are suitable for data gateway, concentrator and data server applications. The performance model can shorten your development time and offer multiple networking interfaces to fulfill a diverse range of requirements.

Specifications

General

Certification CE, FCC, UL, CCC, BSMI

Dimensions (W x D x H) 190 x 107 x 47 mm (7.5" x 4.2" x 1.8")

Form Factor Small Size

Aluminum Housing **Enclosure**

Stand, Wall, DIN-rail (Optional), VESA (Optional) Mounting Weight (Net) 1.0kg (2.2lbs)

Power Requirement 24VĎC ±15%

14W (Typical), 47.3W (Max) Microsoft® Windows XP/7/8 WES7 **Power Consumption**

OS Support

Advantech Linux

System Hardware

BIOS

AMI UEFI 32Mbit Flash BIOS Programmable 255 levels timer interval, from 1 to 255 sec AMD® G-series T40E 1.0GHz dual core Watchdog Timer

Processor

AMD® A50M FCH System Chip

On-board 2GB DDR3 1066 MHz Memory

AMD Radeon™ HD 6250 DirectX® 11 graphics with UVD **Graphics Engine** 3.0 2D/3D Accelerator

Realtek RTL8111E, Marvell 88E6172 Giga Ethernet switch Ethernet

with daisy chain technology LEDs for Power, battery, LAN (Active, Status) and HDD

LED Indicators Storage One mSATA drive

One drive bay for SATA 2.5" HDD (Compatible with 9.5mm

Note: iDoor technology isn't compatible with HDD storage

Expansion 1 x Full-size mPCle slot, mPCle 2.0 (supports SIM card)

I/O Interfaces

Serial Ports 1 x RS-232, DB9, 50 ~ 115.2kbps

1 x RS-485, DB9, auto flow control, 50 ~ 115.2kbps LAN Ports 2 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T Fast Ethernet

USB Ports 4 x USB 2.0 Compliant

1 x DisplayPort 1.1, supports 1920 x 1080 @ 60Hz Displays 1 x HDMI v1.3, supports 1920 x 1080 @ 60Hz

 Power Connector 1 x 2 Pins, Terminal Block Grounding Protection Chassis Grounding

Environment

Operating Temperature

- 10 ~ 60°C (14 ~ 140°F) @ 5 ~ 85% RH with 0.7m/s airflow

Storage Temperature

- 40 ~ 85°C (-40 ~ 185°F)

Relative Humidity **Shock Protection Vibration Protection**

Ingress Protection

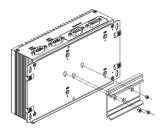
10 ~ 95% RH @ 40°C, non-condensing Operating, IEC 60068-2-27, 50G, half sine, 11ms Operating, IEC 60068-2-64, 2Grms, random, 5 ~ 500Hz,

1hr/axis (mSATA) Operating, IEC 60068-2-64, 0.75Grms, random, 5 ~

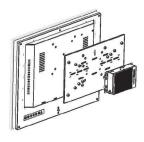
500Hz, 1hr/axis (HDD)

Installation Scenario

DIN-rail Mount Illustration

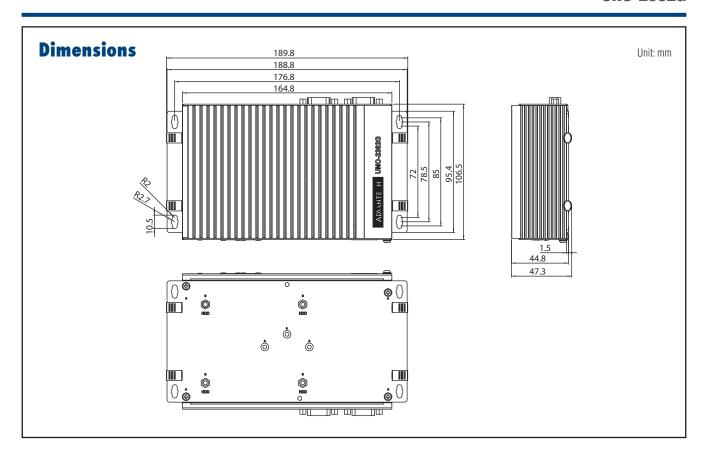


VESA Mount Illustration



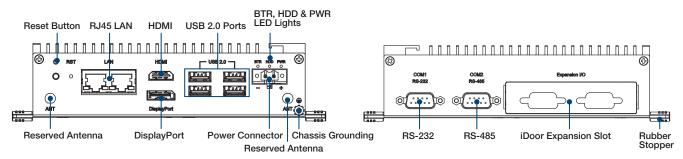
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Industrial IoT Gateways



Front I/O View

Rear I/O View



Ordering Information

UNO-2362G-T2AE

AMD G-series T40E 1.0GHz, 2GB, 1 x GbE, 1 x mPCle, HDMI, DP

iDoor Modules

- PCM-24D2R2-BE
- PCM-24D2R4-BE
- PCM-24D4R2-BE
- PCM-24D4R4-BE
- PCM-26D2CA-AE PCM-27D24DI-AE
- PCM-24R1TP-AE
- PCM-24S2WF-BE
- PCM-24S33G-AE
- 2-Port Isolated RS-232 mPCle. DB9
- 2-Port Isolated RS-422/485 mPCle, DB9
- 4-Port Non-Isolated RS-232 mPCle, DB37
- 4-Port Non-Isolated RS-422/485 mPCle, DB37
- 2-Port Isolated CANBus mPCIe, CANopen, DB9 24-Channel Isolated Digital I/O w/ counter mPCle,
- DB37
- 1-Port Gigabit Ethernet, Intel® 82574L, mPCle, RJ45
- WiFi 802.11 ac/a/b/g/n 2T2R w/Bluetooth 4.1

Wide-Temp 3.75G HSPA and GPS, 2-in-1, Full-size mPCle w/ Redundant SIM Card holder, 2-port SMA

Optional Accessories

- 96PSA-A60W24T2
- 1702002600
- 1702002605
- 1702031801
- 1700000596
- UNO-2000G-DMKAE

 - UNO-2000G-VMKAE

60W AC to DC UNO series power adapter (Industrial Grade)

Power Cable US Plug 1.8 M (Industrial Grade)

Power Cable EU Plug 1.8 M (Industrial Grade) Power Cable UK Plug 1.8 M (Industrial Grade)

Power Cable China/Australia Plug 1.8 M (Industrial Grade)

UNO-2000 DIN Rail Kit UNO-2000 VESA Mount Kit

Embedded O/S

- 2070014506
- 2070013078 2070015121

Win10 LTSB X64 MUI. V6.00B002 image

WEC7 MUI.V4.00 B022 image

WES2009 x86 MUI v3.35 B001 image