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 memory
- 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
- Form Factor
- Enclosure

Mounting

Weight (Net)

Power Requirement

- **Power Consumption**
- **OS Support**

System Hardware

- BIOS
- Watchdog Timer
- Processor
- System Chip
- Memory **Graphics Engine**
- Ethernet
- LED Indicators
- Storage
- Expansion

I/O Interfaces

- Serial Ports
- LAN Ports

USB Ports

- Displays
- Power Connector Grounding Protection

- 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") Small Size
 - Aluminum Housing Stand, Wall, DIN-rail (Optional), VESA (Optional) 1.0kg (2.2lbs)
 - 24VDC ±15% 14W (Typical), 47.3W (Max) Microsoft® Windows XP/7/8 WES7
 - Advantech Linux

- AMI UEFI 32Mbit Flash BIOS Programmable 255 levels timer interval, from 1 to 255 sec AMD® G-series T40E 1.0GHz dual core AMD® A50M FCH On-board 2GB DDR3 1066 MHz
- AMD Radeon[™] HD 6250 DirectX[®] 11 graphics with UVD
 - 3.0 2D/3D Accelerator Realtek RTL8111E, Marvell 88E6172 Giga Ethernet switch
 - with daisy chain technology LEDs for Power, battery, LAN (Active, Status) and HDD
 - One mSATA drive One drive bay for SATA 2.5" HDD (Compatible with 9.5mm height HDD)
 - Note: iDoor technology isn't compatible with HDD storage 1 x Full-size mPCle slot, mPCle 2.0 (supports SIM card)

 - 1 x RS-232, DB9, 50 ~ 115.2kbps
 - 1 x RS-485, DB9, auto flow control, 50 ~ 115.2kbps
 - 2 x RJ45, 10/100/1000 Mbps IEEE 802.3u 1000BASE-T
 - Fast Ethernet 4 x USB 2.0 Compliant

 - 1 x DisplayPort 1.1, supports 1920 x 1080 @ 60Hz 1 x HDMI v1.3, supports 1920 x 1080 @ 60Hz
 - 1 x 2 Pins, Terminal Block

 - Chassis Grounding

Environment

- Operating Temperature
- - 40 ~ 85°C (-40 ~ 185°F) **Storage Temperature** 10 ~ 95% RH @ 40°C, non-condensing
- **Relative Humidity Shock Protection**
- Vibration Protection
 - Operating, IEC 60068-2-64, 2Grms, random, 5 ~ 500Hz, 1hr/axis (mSATA) Operating, IEC 60068-2-64, 0.75Grms, random. 5 ~
- Ingress Protection

Installation Scenario



VESA Mount Illustration

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

Operating, IEC 60068-2-27, 50G, half sine, 11ms





IP40

airflow

500Hz, 1hr/axis (HDD)

- **DIN-rail Mount Illustration**



UNO-2362G



Front 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-26D2CA-AE PCM-27D24DI-AE .
- PCM-24R1TP-AE
- PCM-24S2WF-BE

- 2-Port Isolated RS-232 mPCle, DB9
- 2-Port Isolated RS-422/485 mPCle, DB9
- 4-Port Non-Isolated RS-232 mPCIe, DB37
- 4-Port Non-Isolated RS-422/485 mPCle, DB37 PCM-24D4R4-BE
 - 2-Port Isolated CANBus mPCle, CANopen, DB9
 - 24-Channel Isolated Digital I/O w/ counter mPCle, DB37
- PCM-24S33G-AE
- 1-Port Gigabit Ethernet, Intel® 82574L, mPCIe, 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 mPCIe w/ Redundant SIM Card holder, 2-port SMA

- **Optional Accessories**
- 96PSA-A60W24T2

- UNO-2000G-DMKAE

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

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

884

Rubber

Stopper

- 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

- - UNO-2000G-VMKAE
- 1702002600 1702002605 1702031801

Rear I/O View

- 1700000596