UNO2184G1401E-T

Intel® Core™ i3 Automation Computer with 2 x GbE, 2 x COM Ports, DVI-I/HMDI

Features

- Onboard Intel Core i3-3217UE, 1.60GHz processor
- 2 x RS-232/422/485 ports with automatic flow control
- 2 x 10/100/1000Base-T Ethernet
- DVI-I, HDMI support 2 independent display
- 6 x USB 2.0 ports
- Audio with Line-in, Mic-in, Line out
- 1x Mini PCIe socket
- Windows® WES 2009, WES 7 ready solution
- External accessible CFast slot
- Onboard system status LED indicators
- Supports wake on LAN and boot from LAN function
- Isolation between chassis and power ground
- IP40 ingress protection

Introduction

UNO2184G1401E-T is high-performance Intel 3rd generation Core i3-3217UE grade controller that support DVI-I/HDMI display, 2 x GbE, 2 x serial ports, 1 x CFast and 6 x USB ports. It is also compatible with Windows7. The 2 x Gigabit LANs on the UNO2184G1401E-T support teaming function with fault tolerance, link aggregation and load balance features.

Specifications

General

- **Certification** — CE, UL, CCC, FCC Class A, BSMI
- **Dimension (W x D x H)** — 255 x 152 x 69 mm (10" x 6.0" x 2.7")
- **Enclosure** — Aluminum
- **Mounting** — DIN-rail, Wallmount, VESA
- **Power Consumption** — 40 W (Typical)
- **Power Requirements** — 9 ~ 36 V_{DC} (e.g +24V @ 3A) (Min. 72W), AT/ATX
- **Weight** — 3.0 kg
- **OS Support** — Windows XP/7, WES7, WES-2009
- **System Design** — Fanless with no internal cabling
- **Remote Management** — Built-in Advantech DiagAnywhere agent on WES2009 / WES7

System Hardware

- **CPU** — Intel Core i3-3217UE 1.60GHz (3M Cache)
- **Memory** — 2 GB DDR3 SDRAM built-in
- **Indicators** — LEDs for Power, battery, LAN (Active, Status) and Serial port (Tx, Rx)
- **Keyboard/Mouse** — 1 x PS/2
- **Storage** — CF: 1 x CFast slot
  HDD: One built-in 2.5" SATA HDD bracket (2 x HDD by project support)
- **Display** — 1x DVI-I, 1x HDMI display
- **Watchdog Timer** — Programmable 256 levels timer interval, from 1 to 255 sec
- **Mini PCIe expansion** — 1x Mini PCIe socket

I/O Interfaces

- **Serial Ports** — 2 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 ~ 115.2 kbps (Max.)
- **LAN** — 2 x 10/100/1000Base-T RJ-45 ports
  Supports wake on LAN and built-in boot ROM in flash BIOS
- **USB Ports** — 6 x USB 2.0

Environment

- **Humidity** — 95% @ 40°C (non-condensing)
- **Operating Temperature** — -10 ~ 60°C (14 ~ 149°F) @ 5 ~ 85% RH. (with air flow)
- **Shock Protection** — IEC 60068-2-27
  CompactFlash: 50 G @ wall mount, half sine, 11 ms
  HDD: 20 G @ wall mount, half sine, 11 ms
- **Vibration Protection** — IEC 60068-2-64 (Random 1 Oct./min, 1hr/axis.)
  CompactFlash: 2 Grms @ 5 ~ 500 Hz,
  HDD: 1 Grms @ 5 ~ 500 Hz

Ordering Information

- **UNO2184G1401E-T** — Intel Core i3-3217UE 1.60GHz, 2G RAM Automation computer

Accessories

- **UNO-FPM21-AE** — UNO-2000 series VESA mount kit
- **PCLS-DIAGAW10** — Advantech Remote Monitoring & Diagnosis Utility
- **UNO-2184HD-AE** — 2nd HDD kit for UNO-2184G