

DC-1100

Intel® Atom™ E3845 Quad Core™ Compact Size Fanless Computer and 2x Mini-PCIe Expansion



Key Features

- Onboard Intel® Atom™ E3845 processor Quad Core, 1.91GHz
- 1x DDR3L SO-DIMM max. up to 4GB
- Dual Independent Display from 1x DVI-I and 1x DisplayPort
- 2x Intel® GbE port, support Wake-on-LAN and PXE
- 1x USB 3.0, 3x USB2.0
- 4x RS232/422/485 port with 5V/12V power
- 4x Isolated DI, 4x Isolated DO
- 1x 2.5" SATA SSD/HDD bay, 1x CFAST card and 1x SIM card socket
- 9~48VDC power input, support AT/ATX mode
- 2x Mini-PCIe slot for Wi-Fi, GSM, or I/O expansion
- Universal I/O bracket for Mini-PCIe expansion

»» Overview

DC-1100 is a high performance compact size (185mm (W) x 131mm (D) x 54mm (H)) system designed with onboard Intel® Atom™ E3845 Quad Core 1.91GHz processor, rich I/O, an unique expansion capability, and supports wide range (9~48V) DC power input. It supports the latest USB 3.0 technology.

With features including completely cable-less designed, special heat dissipation, anti-vibration, and industrial components selection, DC-1100 is a ruggedized system that can operate in a harsh environment.

A build in voltage protection, reliable DC power input, and reverse power protection make DC-1100 a safety system for industrial applications.

»» Specifications

Processor System

- Onboard Intel® Atom™ Processor E3845 Quad Core, 1.91 GHz with AMI 64Mbit SPI BIOS.

Memory

- 1x 204-Pin DDR3L 1066 / 1333MHz SO-DIMM (un-buffered and non-ECC), max. up to 4GB

Display

Dual Display

- 1x DVI-I and 1x DisplayPort
- 1x DVI-D and 1x VGA (w/ Optional Split Cable)
- 1x DisplayPort and 1x VGA (w/ DVI-I to VGA Adapter)

Expansion

- 2x Full-size Mini PCIe Socket for Wi-Fi / GSM / Expansion Module
- 1x Universal I/O Bracket

Ethernet

- 2x Intel® I210-AT GbE LAN Port, Support Wake-on-LAN and PXE

Audio

- Codec: Realtek ALC888S
- 1x Mic-in and 1x Speak-out

Watchdog Timer

- Software Programmable Supports 1~255 sec. System Reset

Storage

- 1x 2.5" SATA SSD/HDD Bay
- 1x External CFAST Socket
- 1x External SIM Card Socket

I/O Ports

- 1x USB 3.0 Port
- 3x USB 2.0 Port
- 4x DB9 for COM1~4, Support RS232/422/485 with Auto Flow Control
- 2x Antenna Hole
- 1x Power Switch
- 1x AT/ATX Switch

Digital Input & Output

- 4x Digital Input (Source Type)
 - Input Voltage (Dry Contact):
 - Logic 0: Close to GND
 - Logic 1: Open
 - Input Voltage:
 - Logic 0: 3V max.
 - Logic 1: 5V min. (DI to COM-)
- 4x Digital Output
 - Supply Voltage: 5~30VDC
 - Sink Current: 200 mA Max. Per Channel

Power

- Support AT, ATX Mode
- 1x 3-pin Terminal Block Connector with Power Input 9~48VDC
- 1x Optional AC/DC 12V/5A, 60W Power Adapter

Environment

- Operating Temperature: Ambient with Air Flow: -20°C to 70°C (with Industrial Grade Peripherals)
- Storage Temperature: -30°C to 85°C
- Relative Humidity: 10%~95% (non-condensing)

Physical

- Dimension (WxDxH, mm): 185 x 131 x 54 mm
- Weight: 1.58 kg
- Construction: Extruded Aluminum with Heavy Duty Metal
- Mounting: Wall, Optional Side / VESA / DIN-Rail Mounting

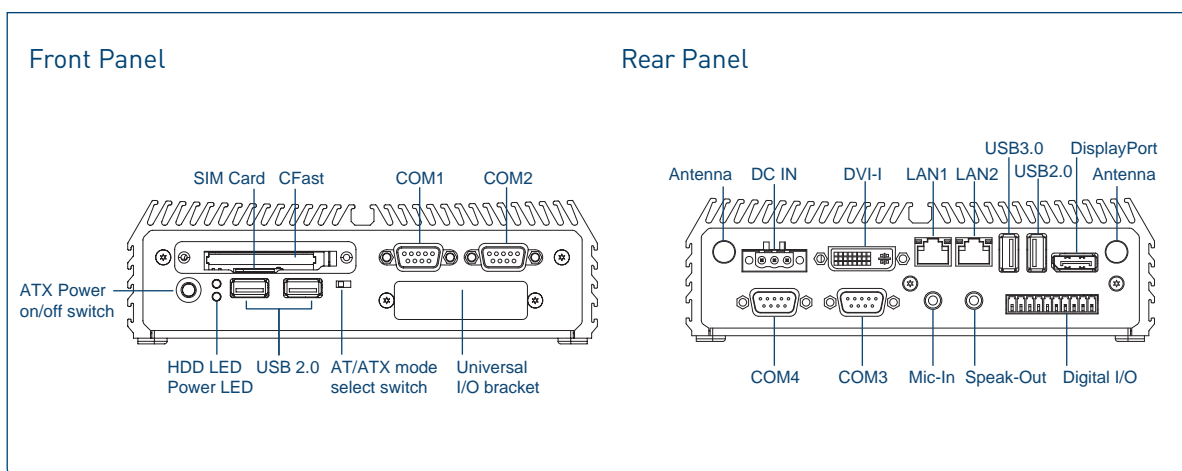
Operating System

- Windows® 8
- Windows® 7
- Windows® Embedded Standard 7

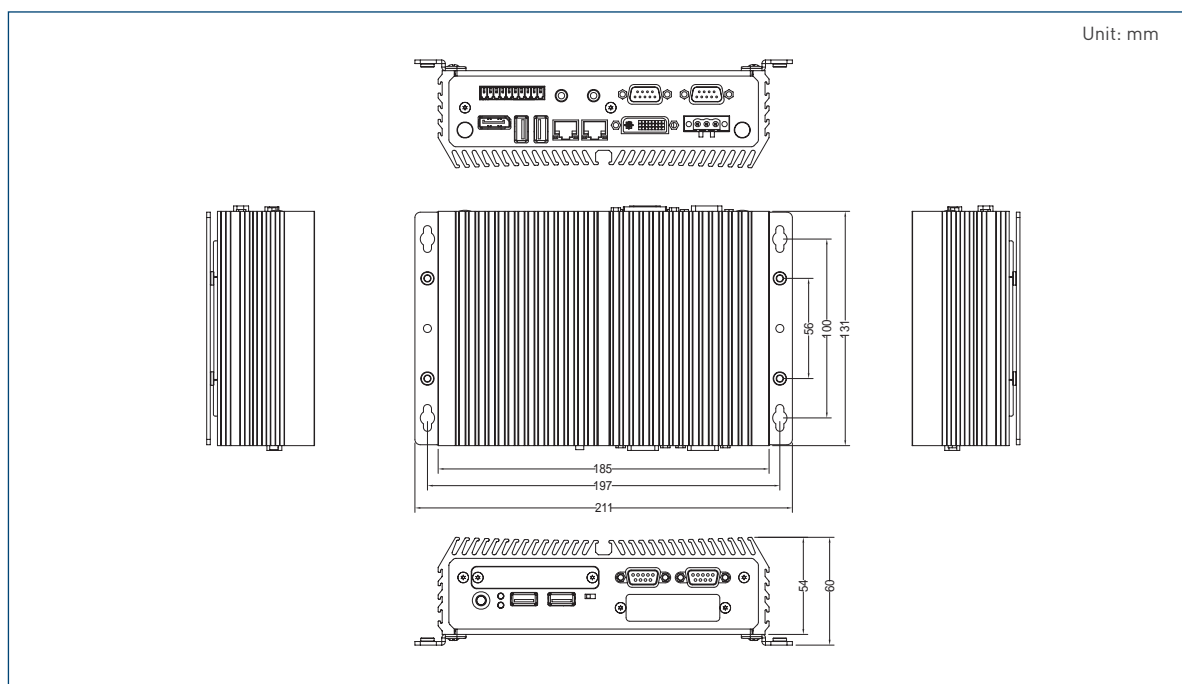
Certification

- CE
- FCC Class A

»» External I/O Mechanical Layout



»» Dimensions



»» Ordering Information

Available Models

Model No.	Product Description
DC-1100	Intel® Atom™ E3845 Quad Core™ Compact Size Fanless Computer and 2x Mini-PCIe Expansion

Package Checklist

<ul style="list-style-type: none"> • DC-1100 Embedded System x 1 • Utility DVD Driver x 1 • DIO Terminal Block Connector (Female) x 1 • Power Terminal Block Connector (Female) x 1 	<ul style="list-style-type: none"> • DVI-I to VGA Adapter x 1 • Screw Pack x 1 • Wall Mount Kit x 1
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Optional Accessories

Model No.	Description
GSM60A12-CIN	Adapter AC/DC 12V 5A 60W with 3pin Terminal Block Plug 5.0mm Pitch, GSM60A12-P1J
SL2-SL3	US 2 heads power cord, US B type to IEC C13, SVT 18AWG/3C Black 1.8M SL-2+SL-3
SL6-SL3	EU 2 heads power cord, EU G type to IEC C13, H05VV-F 0.75mm2/3G Black 1.8M SL-6+SL-3
QP026-SL3	UK 2 heads power cord, UK I type to IEC C13, H05VV-F 0.75mm2/3G Black 1.8M QP026+SL-3
VESA-DC	DC series VESA Mount Kit
SIDE-DC	DC series SIDE Mount Kit
DINRAIL	Diamond series DIN-RAIL Mount Kit
59381560000E	MINI-DIN(M) (PS/2 KB+MS) TO MINI-DIN(F) (PS/2 KB)+MINI-DIN(F) (PS/2 MS) L:10CM, 59381560000E
N0307-140507-01	DVI-I(M) TO DVI-D(F) + VGA(F) Cable, L=200mm, N0307-140507-01