



DA-1000 Series

**Diamond Affordable
Embedded Computing Solution**

DA-1000 Series Introductions

DA-1000 Series



**Ultra Compact & Cost Effective
Embedded Computer**

DA-1000 Overview

Front View



Back View



- Processor: Intel® Atom™ Processor E3826 (Dual Core, 1M Cache, 1.46 GHz, TDP: 7W)
- Memory: 1 X DDR3L (Up to 8GB)
- Display: Dual Display
- Storage: 1 X 2.5 SATA Bay
- I/O ports:
 - 4 X USB (3 X USB2.0 / 1 X USB 3.0)
 - 2 X LAN (I210-AT)
 - 2 X COM (RS232/422/485)
 - 1 X DVI-I
 - 1 X Line-out and 1 X Mic-in
 - 1 X 2-pin Remote power on/off switch
 - 2 X Antenna Hole
 - 1 X Universal I/O bracket
 - 1 X AT/ATX power switch
- Power: 9~48VDC,

Sufficient performance and I/O for many applications

Cost Effective



Save budget and pay-for-need

The Key Features of DA-1000



- **Ultra Compact**
- **Rugged**
- **Flexible**

Ultra Compact Size



(819,000mm³)

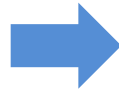
VS



(837,000mm³)

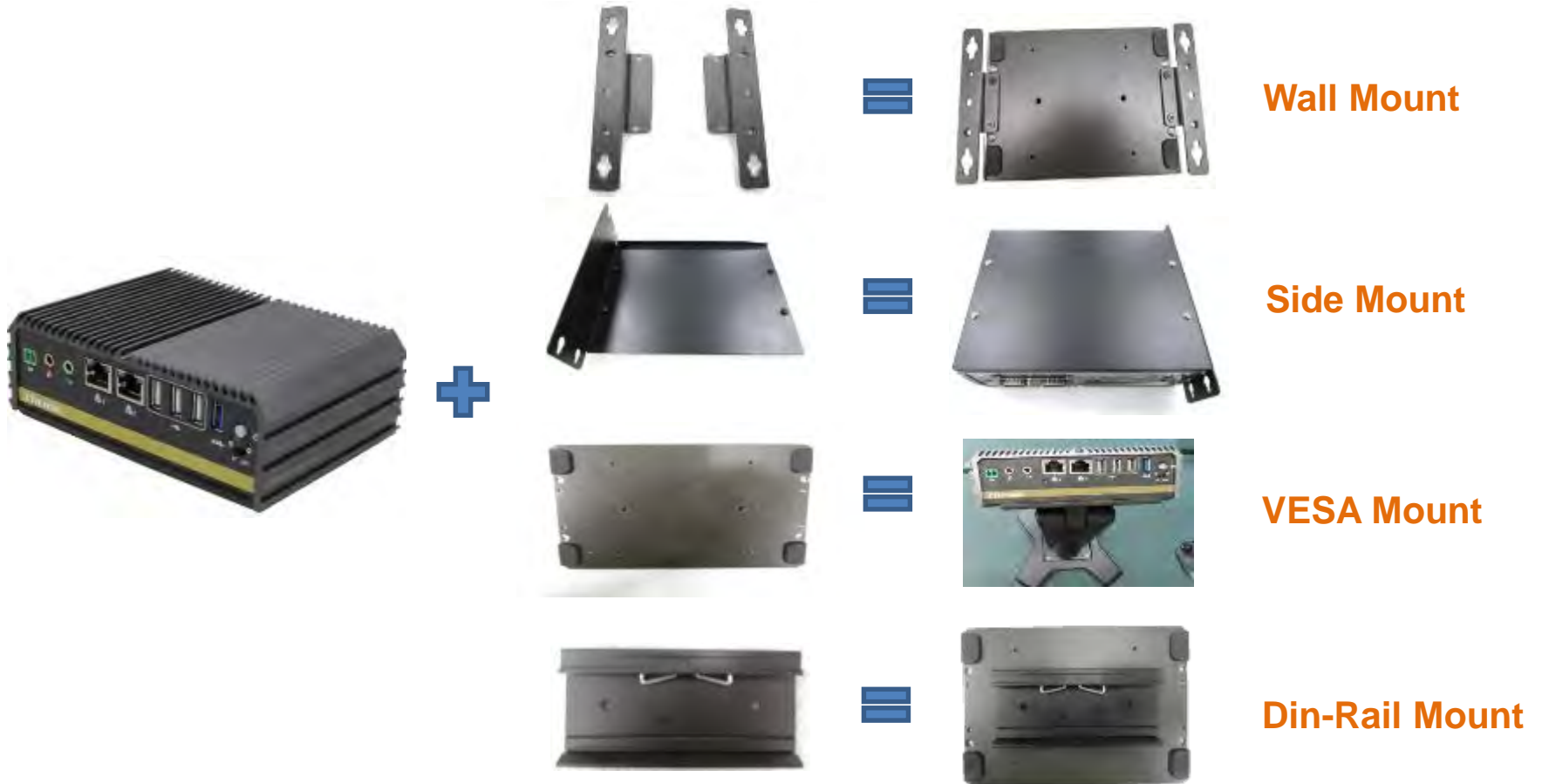
Designed for space limited application

Support 2.5" HDD/SSD



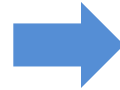
Without compromise the space for mass storage device

Support Various Mounting



Supports 4 types of mounting mechanisms for easy of installation and deployment

Ultra Compact & Various Mounting



To be installed everywhere!

The Key Features of DA-1000



- **Ultra Compact**
- **Rugged**
- **Flexible**

Inherited Diamond DNA

Rugged

Fan-less

Cable-less

One-piece
Design

Wide
Temperature

Anti-Vibration



Reliable

Industrial
Components

Special Heat
Dissipation

Reliable DC
Power Input

Power
Protection

ESD
Protection

Support 24/7 operation and maintenance-free

Wide Operating Temperature (-25~ +70)



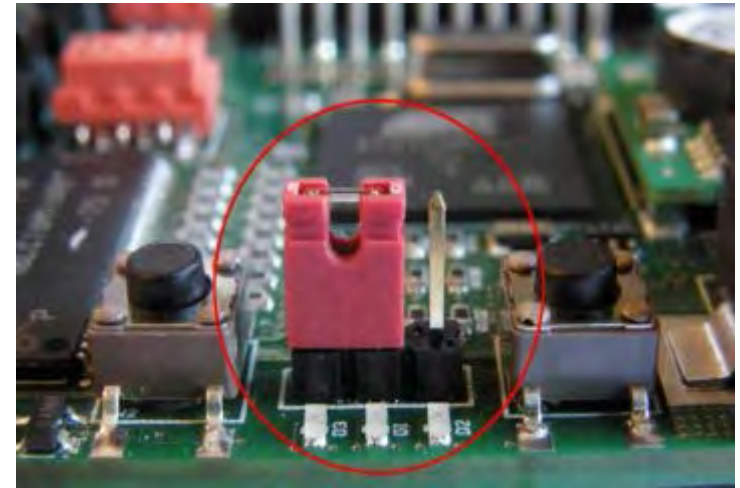
Support wide temperature range for operating in harsh environment

Jumper-Less Design



Jumper-less design

VS



Jumper design

High tolerance for shock and vibration

The Key Features of DA-1000



- **Ultra-Compact**
- **Rugged**
- **Flexible**

CMI Interface



CMI (Cincoze Multiple I/O) Interface
Cincoze own pin-defined interface supporting various type of I/O modules.

CMI interface offers the possibilities to extend I/O in a small footprint construction

CMI Module



2x RS232/422/485



1x VGA



1x 4DI /4 DO



1x DP



1x LPT/PS2



1x DVI-D

Combination of CMI Interface and Modules



Remove Universal bracket



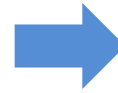
Install CMI module



Finished

Cost-effective I/O extension solution

Support 2 X Mini-PCle Slots



Wireless expansion



Third party add on card

Support wireless communication and third party add on card

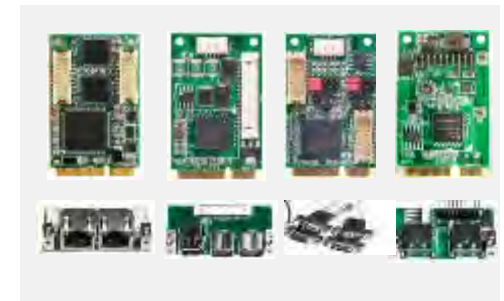
Support CMI or MEC series



DA CMI Modules



DA Universal bracket



MEC Series

DA-1000 is very flexible regarding all kinds I/O requirement for different applications.

DA-1000 Series Selection

DA-1000 Specification



Processor	Model	Intel Atom E3826 1MB Cache
	Frequency	1.46 GHz
	Core Number	2
Memory	Transfer Rate	DDR3L 1067MHz
	Max. Capacity	4 GB
	Socket	1x 204-Pin SODIMM
Display	DVI-I	1x DVI-I
	Multiple Display	Dual
Ethernet	Controller	GbE1: Intel I210-AT GbE2: Intel I210-AT
	Codec	Realtek ALC888S
Audio	Connector	1x Mic-in 1x Line-out
	SSD/HDD	1x 2.5" SATA HDD Bay (internal)
Storage	mSATA	1 (share by 1x Mini PCI Express)
	SIM Socket	1 (internal)
I/O Ports	USB 3.0	1
	USB 2.0	3
	COM Port	2x RS-232/422/485
	LAN	2x RJ45
	WiFi Antenna Holes	2
	Power Switch	1
	AT/ATX Switch	1
	Remote Power On/Off	1
	Universal I/O Bracket	1
	Expansion	Mini PCI Express
Other Function	Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset
	Power Type	AT, ATX
Power	Power Supply Voltage	9~48VDC
	Power Adaptor	Optional AC/DC 12V/5A, 60W
Environment	Operating Temperature	-25°C to 70°C
Physical	Dimension (WxDxH)	150 x 105 x 52 mm
	Mounting	Wall / Side / VESA / DIN-Rail Mounting

CMI Module Kits

CMI Module Kits



CMI Module Kit	DA-CMI-COM	DA-CMI-DIO	DA-CMI-DP	DA-CMI-DVI	DA-CMI-LPT/PS2	DA-CMI-VGA
CMI Module	2X (RS232/422/485)	1x 8 DIO (4I/4DO)	1x Display Port	1x DVI-D	1x LPT/PS2	1x VGA
Universal bracket	1	1	1	1	1	1

DA-1000 Model List (7 Models)



Model	DA-1000	DA-1000C	DA-1000D	DA-1000DP	DA-1000DV	DA-1000LPPS	DA-1000V
COM	2	4	2	2	2	2	2
DIO	-		8 (4DI/4DO)				
Display Port	-			1			
DVI	1x DVI-I	1x DVI-I	1x DVI-I	1x DVI-I	1x DVI-I 1x DVI-D	1x DVI-I	1x DVI-I
LPT	-					1	
PS/2	-					1	
VGA	-						1

Ordering Information

No.	Model No.	Description
1	DA-1000-R10	Intel® Atom™ Processor E3826 Affordable Fanless Embedded Computer
2	DA-1000C-R10	Intel® Atom™ Processor E3826 Affordable Fanless Embedded Computer With 4x COMs
3	DA-1000D-R10	Intel® Atom™ Processor E3826 Affordable Fanless Embedded Computer With 8x DIOs
4	DA-1000DP-R10	Intel® Atom™ Processor E3826 Affordable Fanless Embedded Computer With 1x Display Port
5	DA-1000DV-R10	Intel® Atom™ Processor E3826 Affordable Fanless Embedded Computer With 1x DVI-D
6	DA-1000LPPS-R10	Intel® Atom™ Processor E3826 Affordable Fanless Embedded Computer With 1x LPT, 1x PS/2
7	DA-1000V-R10	Intel® Atom™ Processor E3826 Affordable Fanless Embedded Computer With 1x VGA

THANK YOU