

IDS-300-BW

Embedded System

嵌入式系統

Quick Installation Guide/快速安裝指南

Version 1.00

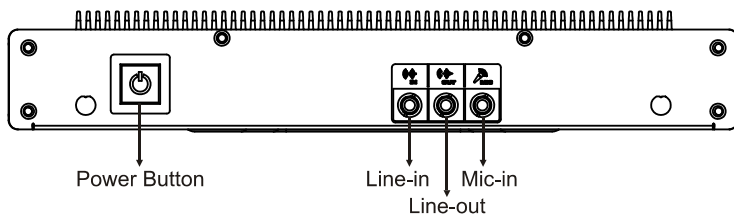


Packing List / 內容清單

- 1 x IDS-300-BW embedded system / IDS-300-BW 嵌入式系統
- 1 x Power adapter / 電源供應器
- 1 x Power cord / 電源線
- 1 x SATA cable / SATA 訊號線
- 2 x Mounting bracket / 固定安裝件
- 1 x Utility CD / 公用程式光碟
- 1 x One Key Recovery CD / 一鍵還原光碟
- 1 x QIG (Quick Installation Guide) / 快速安裝指南

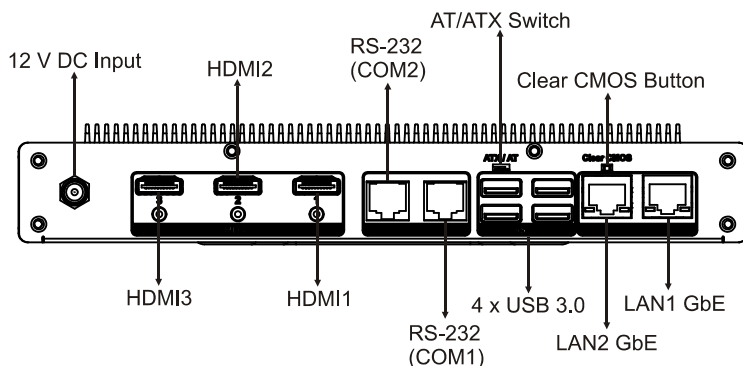
Front Panel

The front panel of the IDS-300-BW contains a power button and three audio jacks.



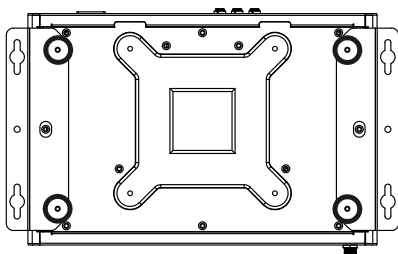
Rear Panel

The rear panel of the IDS-300-BW provides access to the external I/O connectors.



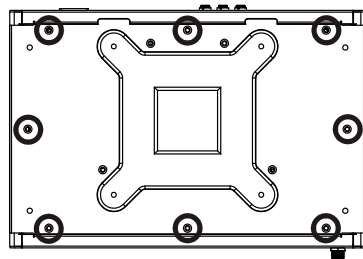
Mounting the System

Secure the mounting brackets to the sides of the bottom surface by inserting two retention screws into each bracket (see below). Drill holes in the intended installation surface. Insert four retention screws, two in each bracket, to secure the system to the surface.



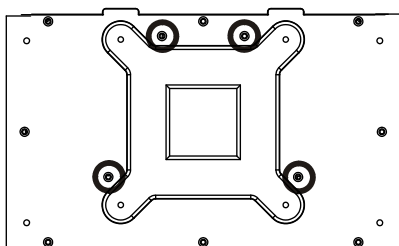
Bottom Surface Removal

Before the HDD/mSATA module can be installed, the bottom surface must be removed. To remove the bottom surface, remove the eight (8) bottom surface retention screws (see below).

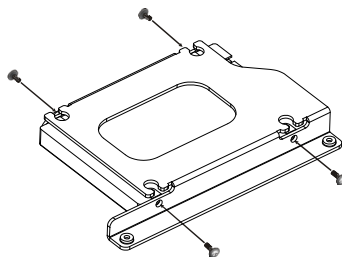


HDD Installation

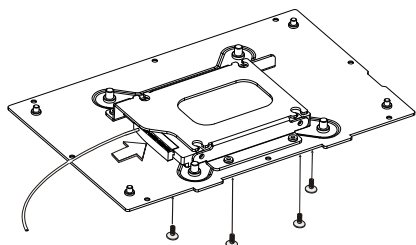
1. Remove the hard drive bracket from the bottom surface by removing the four retention screws.



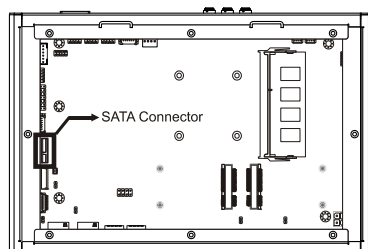
2. Secure the HDD with the bracket by inserting four retention screws (M3*4) into the sides of the bracket.



3. Connect the SATA cable connector to the HDD. Re-install the HDD bracket onto the bottom surface by four retention screws.

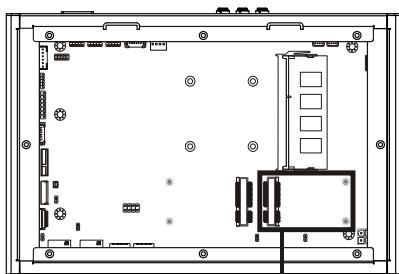


4. Connect the SATA cable to the SATA connector on the motherboard. Re-install the bottom surface to the chassis.

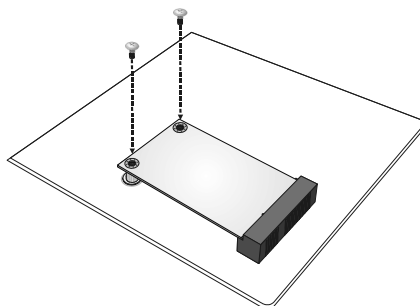


mSATA Installation

1. Locate the PCIe Mini slot inside the chassis (see below). Remove the two retention screws pre-installed on the PCIe Mini slot.

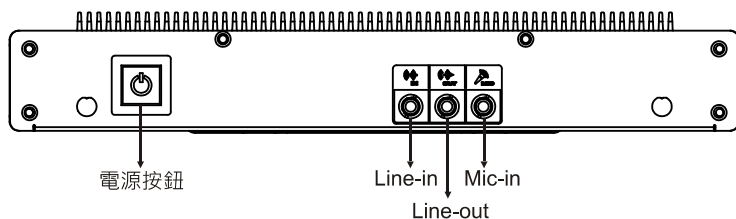


2. Slide the mSATA module into the socket at an angle of about 20°. Secure the mSATA module with the retention screws previously removed.



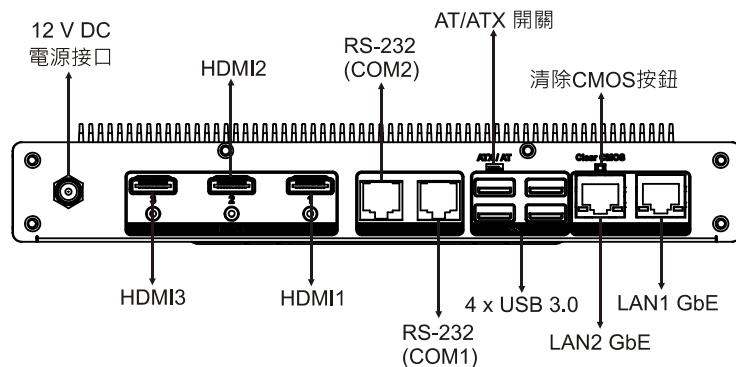
前面板

IDS-300-BW 的前面板配有一個電源按鈕與三個音源接頭：



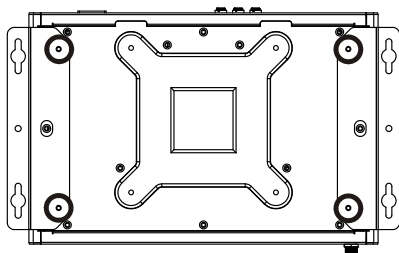
後面板

IDS-300-BW 的後面板配有下列連接器、按鈕與開關：



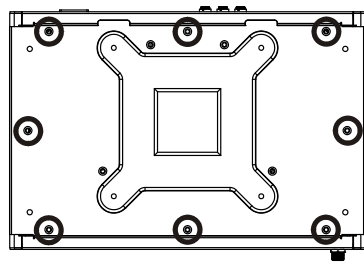
固定系統

如下圖，將 2 片固定安裝件分別使用 2 顆螺絲固定在系統底部的兩側。在欲安裝系統的位置鑽孔。使用 4 顆螺絲（一邊 2 顆）將系統固定在安裝面上。



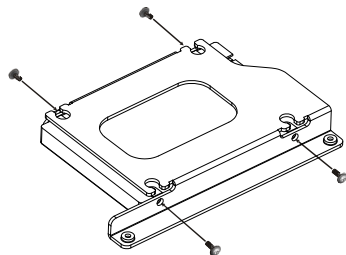
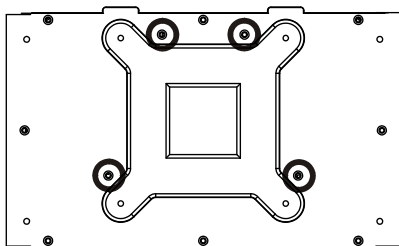
卸除底蓋

在安裝硬碟或 mSATA 模組前，系統底蓋必須移除才能進行安裝。欲卸除底蓋，請將底蓋上的 8 顆螺絲移除。

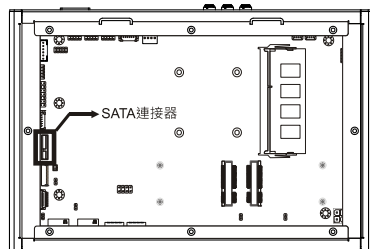
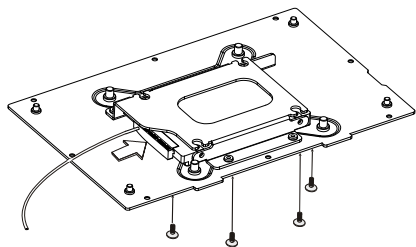


硬碟安裝

1. 將底蓋上的 4 顆螺絲移除，卸下硬碟固定架。
2. 用 4 顆螺絲(M3*4)將硬碟鎖附在硬碟固定架上。

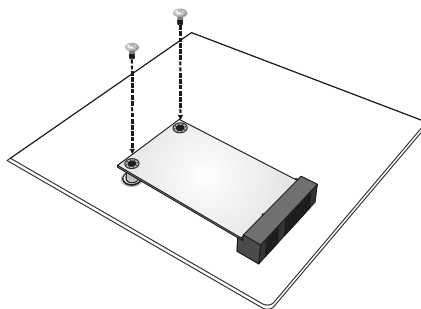
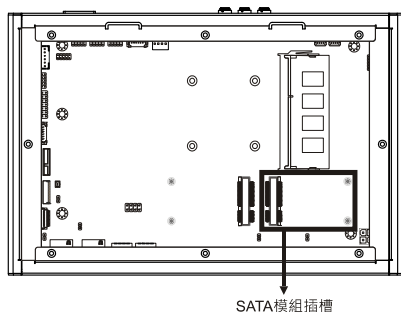


3. 將 SATA 訊號線與硬碟連接，並用之前拆下的 4 顆螺絲將硬碟連同固定架鎖附在底蓋上。
4. 將 SATA 訊號線的另一端連接到主機板上的 SATA 連接器。重新將底蓋安裝在機器上。



mSATA 模組安裝

1. 根據下圖，找到支援 mSATA 模組的 PCIe Mini 插槽。將預先安裝在插槽螺柱上的 2 顆螺絲移除。
2. 將 mSATA 模組以約 20 度角斜插入插槽中。使用之前移除的 2 顆螺絲將 mSATA 模組固定。



Specifications / 規格

CPU (SoC)	Intel® Celeron® N3160 SoC (up to 2.24 GHz, quad-core, 2 MB cache, TDP=6 W)
Memory/記憶體	1 x 1600/1333 MHz DDR3L SDRAM SO-DIMM slot (system max. 8 GB) 4 GB DDR3L SO-DIMM preinstalled
Display/顯示	3 x HDMI connector HDMI 1 & HDMI 2: up to 3840x2160 @ 30Hz HDMI 3: up to 2560x1600 @ 60Hz (HDMI 3 does not support hot-plugging and audio)
Ethernet/乙太網路	2 x RJ-45 GbE LAN by Realtek RTL8111E PCIe GbE controller
Serial Port/序列埠	2 x RS-232 RJ-45 serial port
USB	4 x USB 3.0 port
Audio/音源	5.1 channel Realtek ALC662 HD Audio codec 1 x Line-in jack 1 x Line-out jack 1 x Mic-in jack
Storage/儲存	1 x 2.5" SATA 6Gb/s HDD/SSD bay
Expansion Slot/擴充槽	2 x Full-size/half-size PCIe Mini slot (one supports mSATA modules)
Wireless/無線網路	802.11a/b/g/n/ac (optional)
Button and Switch /按鈕與開關	1 x Power button 1 x Clear CMOS button 1 x AT/ATX power mode switch
Mounting/固定安裝方式	VESA mount 100 mm; Wall mount with brackets
Power Input/電源需求	12 V DC
Power Consumption/功耗	12 V @ 2 A (Intel® Celeron® N3160 with 4 GB memory)
Operating Temp./操作溫度	-10°C ~ 40°C with air flow (SSD)
Operating Humidity/操作濕度	10% ~ 90%, non-condensing
Color/顏色	Silver
Chassis Construction/材質	Aluminum alloys
Dimensions/尺寸	241 mm (W) x 160 mm (D) x 39 mm (H)
Operation Vibration/振動	MIL-STD-810F 514.5C-1 with HDD
Operation Shock/衝擊	Half-sine wave shock 5G, 11ms, 3 shocks per axis
Weight (Net/Gross) 淨/毛重	1.8 kg / 3 kg
EMC	CE, FCC
Supported OS/操作系統	Microsoft Windows 8 Embedded or Microsoft Windows Embedded Standard 7

Software Driver / 驅動程式安裝

All the drivers for the IDS-300-BW are on the utility CD that came with the system. The utility CD contains drivers for Windows 7 and Windows 8 operating systems. Please select the corresponding drivers for the system.

所有 IDS-300-BW 的驅動程式均在隨貨附上的光碟內，其中包括 Windows 7 和 Windows 8 作業系統的驅動程式。請選擇對應的驅動程式來安裝。

NOTE:

The content of the CD may vary throughout the life cycle of the product and is subject to change without prior notice. Visit the IEI website or contact technical support for the latest updates.

光碟片的內容會根據產品生命週期而有所不同，若有變更，恕不另行通知。請至 IEI 官網或聯繫技術人員以獲得最新的更新。

Compliance / 安規



This equipment has been tested and found to comply with specifications for CE marking. If the user modifies and/or installs other devices in the equipment, the CE conformity declaration may no longer apply.



This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。



According to the requirement of the WEEE legislation the following user information is provided to customers for all branded IEI Electronics products subject to the WEEE directive.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Safety Instructions / 安全守則



Warning! Read the user manual before connecting the system to the power source.

警告！在將系統連接到電源之前，請仔細閱讀使用手冊。

Warning! To prevent the system from overheating, do not operate it in an area that exceeds the maximum operating temperature described in the user manual.

警告！為防止系統過熱，不要在使用手冊上記載的產品工作溫度範圍之外操作此系統。

Warning! Ultimate disposal of this product should be handled according to all national laws and regulations.

警告！本產品的廢棄處理應根據該國家的法律和規章進行。

Support/支援



IEI Support URL / IEI 線上諮詢

https://www.ieiworld.com/en/online_support_form

Headquarters

威強電工業電腦 IEI Integration Corp.

No. 29, ZhongXing Rd., Xizhi Dist.,
New Taipei City 221, Taiwan

TEL: +886-2-8691-6798/+886-2-2690-2098

FAX: +886-2-6616-0028

sales@ieiworld.com

www.ieiworld.com

America

IEI Technology USA Corp.

138 University Parkway, Pomona,
CA 91768, USA

Tel: +1-909-595-2819

Fax: +1-909-595-2816

sales@usa.ieiworld.com

usa.ieiworld.com

China

威強電工業電腦 IEI Integration (Shanghai) Corp.

上海市闵行区莘庄工业区申富路 515 号

No. 515, Shen Fu Rd., Xin Zhuang Industrial Develop Zone,
Shanghai, 201108, China

Tel: +86-21-3116-7799

Fax: +86-21-3462-7797

sales@ieiworld.com.cn

www.ieiworld.com.cn