



# AFL3-12A-BT

Flat Bezel Panel PC

全平面平板電腦

## Quick Installation Guide/快速安裝指南

Version 1.01

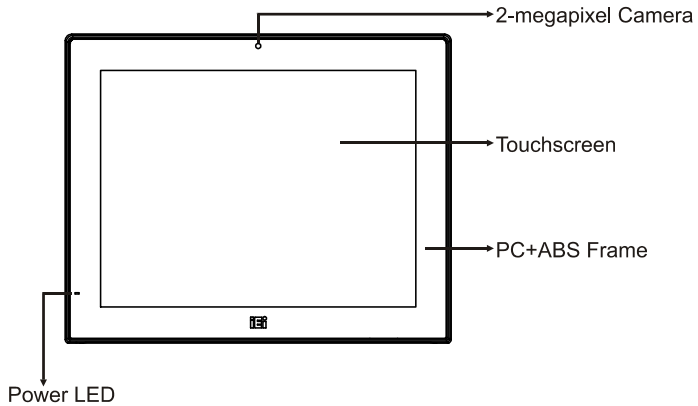
### **Packing List / 內容清單**

- 1 x AFL3-12A-BT panel PC / AFL3-12A-BT 平板電腦
- 1 x Power adapter / 電源供應器 (60 W)
- 1 x Power cord / 電源線
- 1 x RJ-45 to DB-9 COM port cable / RJ-45 轉 DB-9 序列埠連接線
- 4 x Screws for VESA mounting / VESA 固定安裝螺絲
- 4 x Screws for HDD installation / 硬碟固定螺絲
- 2 x Screws for PCIe Mini card installation / PCIe Mini 卡固定螺絲
- 1 x Utility CD / 光碟
- 1 x One Key Recovery CD
- 1 x QIG (Quick Installation Guide) / 快速安裝指南

## Front Panel

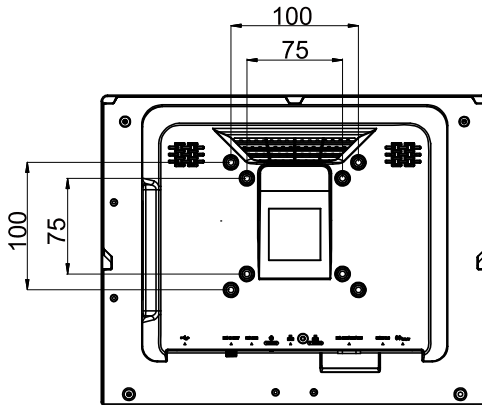
The front side of the AFL3-12A-BT is a flat-bezel panel with a 12.1" TFT LCD screen surrounded by a PC/ABS plastic frame. There is a power LED indicator located on the front panel. The status descriptions of the power LED indicator are listed below.

- Off: power cord not attached or power supply failure
- Solid amber: the system is connected to a power source and is ready to be turned on
- Solid green: the system is turned on



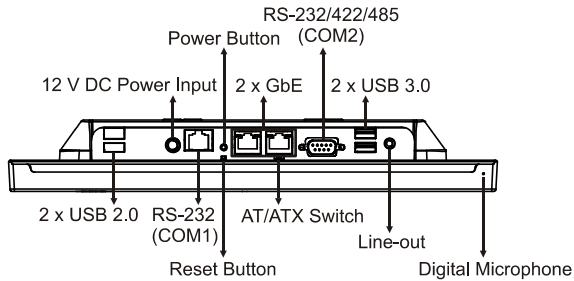
## Rear Panel

The rear panel provides access to retention screw holes that support VESA mounting.



## Bottom Panel

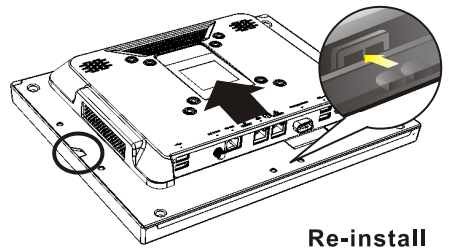
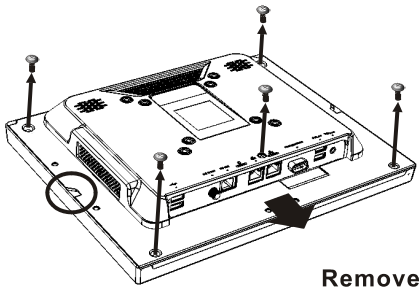
The bottom panel of the AFL3-12A-BT has the following connectors and switches.



## Back Cover Removal & Re-installation

**Remove** - Remove the back cover retention screws. Slide the back cover until it is disengaged from the locking mechanism. Then, lift the back cover off the chassis.

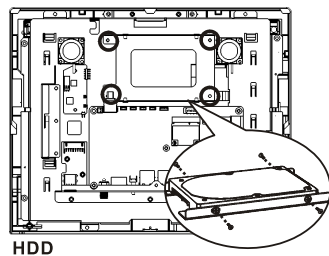
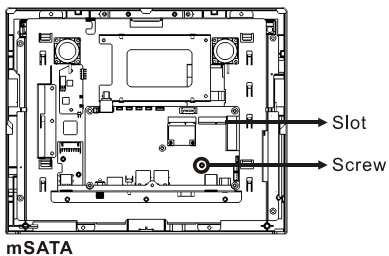
**Re-install** - Slide the back cover until the external and internal locking mechanisms are both clipped into place. Then, secure the back cover with the previously removed screws.



## mSATA Module & HDD Installation

**mSATA** - Remove the preinstalled retention screw on the screw pillar of the PCIe Mini card slot. Then, install the mSATA module into the slot and secure it with the screw.

**HDD** - Remove the four HDD bracket retention screws. Install an HDD onto the HDD bracket. Connect the SATA cables and install the HDD into the system with four screws.

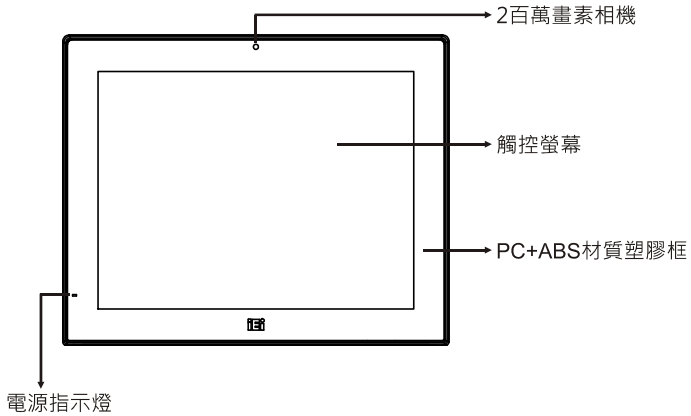


## 前面板

AFL3-12A-BT 前面板是一個全平面的 12.1" TFT LCD 面板，四周圍繞著 PC/ABS 材質塑膠框。

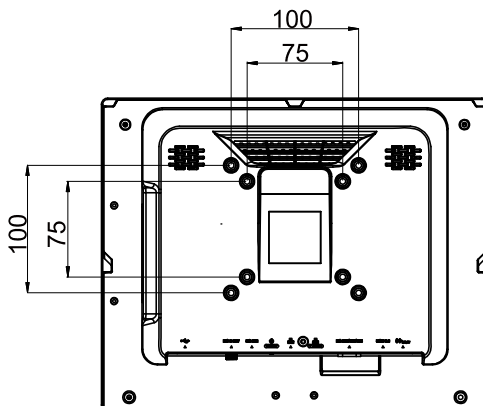
前面板上有一個電源指示燈，此指示燈的狀態描述如下：

- 關閉：未連接電源線或電源供應器失效
- 琥珀色：系統已連接電源，隨時可開機
- 綠色：系統為開機狀態



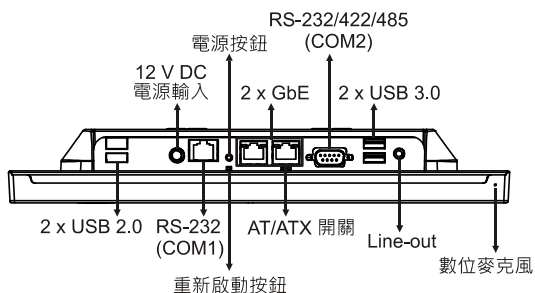
## 後面板

AFL3-12A-BT 後面板上有支援 VESA 固定設備的螺絲孔



## 底部面板

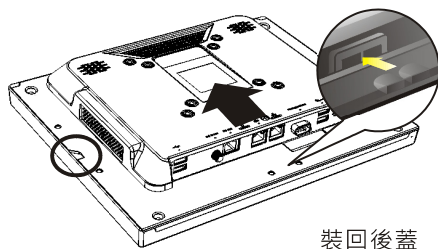
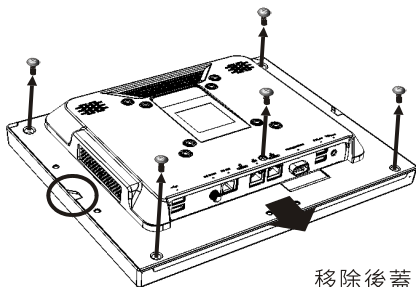
AFL3-12A-BT 的底部配有下列連接器與開關：



## 移除 & 裝回後蓋

**移除** – 移除後蓋固定螺絲。將後蓋朝 I/O 面板的方向滑動，直到後蓋脫離機殼的鎖附機制。接著，將後蓋往上翻起便可順利從機殼上移除後蓋。

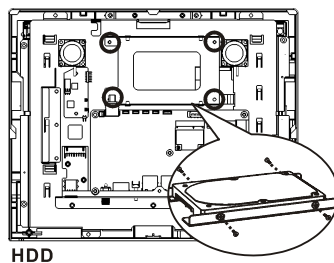
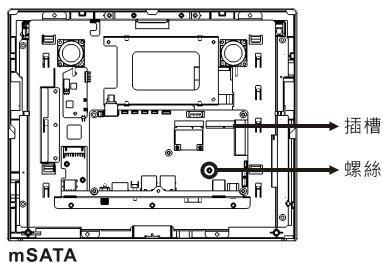
**裝回** – 將後面板朝頂部滑入，直到內部與外部的鎖附機制皆完全卡入。之後，再用先前移除的螺絲固定後蓋。



## 安裝 mSATA 模組 & 硬碟

**mSATA** – 移除預先鎖在螺柱上供固定 PCIe Mini 卡的螺絲。將 mSATA 模組插入插槽內，並用先前移除的螺絲固定 mSATA 模組。

**HDD** – 移除硬碟托架固定螺絲來移除托架。用 4 顆螺絲將硬碟固定在托架上。連接 SATA 傳輸線與電源線。使用先前移除的螺絲將硬碟固定在機器上。



## Specifications / 規格

<b>LCD Size/尺寸</b>	12.1"
<b>Max. Resolution/最高解析度</b>	1024 (W) x 768 (H)
<b>Brightness/亮度</b>	500 cd/m <sup>2</sup>
<b>Contrast Ratio/對比</b>	700:1
<b>LCD Color/顏色</b>	262K
<b>Pixel Pitch/像素間距(mm)</b>	0.240 (H) x 0.240 (V)
<b>Viewing Angle/可視角度</b>	160° (H)/ 160°(V)
<b>Backlight/背光</b>	LED backlight (MTBF: 50,000 hrs)
<b>Touchscreen/觸控螢幕</b>	5-wire resistive / Projected capacitive type
<b>CPU (SoC)</b>	Intel® Celeron® processor J1900 (2.0 GHz, quad-core)
<b>Memory/記憶體</b>	Pre-installed 1333 MHz 2 GB DDR3L memory
<b>Ethernet/乙太網路</b>	Two Realtek RTL8111E PCIe GbE controllers
<b>Storage/儲存</b>	One PCIe Mini card slot for mSATA module One 2.5" SATA 3Gb/s HDD bay
<b>Audio/音訊</b>	Realtek ALC892 HD Audio codec
<b>Speaker/揚聲器</b>	Two 3 W stereo speaker
<b>Camera/相機</b>	2-megapixel with low light function
<b>OSD</b>	Controlled by OSD software
<b>Construction Material/材質</b>	PC+ABS plastic front frame
<b>Mounting/固定安裝方式</b>	VESA 75 mm x 75 mm / 100 mm x 100 mm
<b>Color/顏色</b>	Black
<b>Net Weight/淨重</b>	1.9 kg
<b>Dimensions/尺寸</b>	304 mm (W) x 244 mm (H) x 45 mm (D)
<b>Operating Temp./操作溫度</b>	-20°C ~ 50°C
<b>Storage Temp./儲存溫度</b>	-20°C ~ 60°C
<b>Humidity/濕度</b>	10% ~ 95% (non-condensing)
<b>IP Level/等級</b>	IP 65 compliant front panel
<b>Power Supply/電源</b>	60 W power adapter Input: 100 V ~ 240 V AC, 50 Hz ~ 60 Hz Output: 12 V DC, 5 A
<b>Power Input/電源需求</b>	12 V DC
<b>Power Consumption/功耗</b>	43 W, 12 V @ 3.5 A
<b>Safety /EMC</b>	CE, FCC
<b>I/O</b>	1 x Audio line-out port 1 x RS-232/422/485 serial port (DB-9 connector) 1 x RS-232 serial port (RJ-45 connector) 2 x GbE LAN (RJ-45 connector) 2 x USB 3.0 connectors 2 x USB 2.0 connectors 1 x Power button 1 x AT/ATX switch 1 x Reset button 1 x 12 V DC input jack

## Software Driver / 驅動程式安裝

All the drivers for the AFL3-12A-BT 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 AFL3-12A-BT 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**

[http://new.ieiworld.com/tw/online\\_support\\_form](http://new.ieiworld.com/tw/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](mailto:sales@ieiworld.com)

[www.ieiworld.com](http://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](mailto:sales@usa.ieiworld.com)

[usa.ieiworld.com](http://usa.ieiworld.com)

### China

**威强电工业电脑 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](mailto:sales@ieiworld.com.cn)

[www.ieiworld.com.cn](http://www.ieiworld.com.cn)