



**Flat Bezel Panel PC with Intel® Celeron® N2807 Dual-Core CPU,
Touchscreen, Dual USB 3.0, Dual GbE LAN, Dual RS-232,
HD Audio, Wi-Fi 802.11a/b/g/n/ac and RoHS**

User Manual

Revision

Date	Version	Changes
March 4, 2016	1.05	Updated Table 1-1: System Specifications
October 14, 2015	1.04	Changed touch controller Added Section 3.11: OS Installation Updated Chapter 4: BIOS Setup
July 23, 2015	1.03	Updated Table 6-13: Webcam Connector (CAM_USB1) Pinouts
June 30, 2015	1.02	Updated the following sections: Chapter 2: Unpacking Section 3.7.2: Panel Mounting Section 3.7.3: Cabinet and Rack Installation
November 11, 2014	1.01	Updated Wi-Fi specification to 802.11a/b/g/n/ac
July 22, 2014	1.00	Initial release

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Manual Conventions



WARNING

Warnings appear where overlooked details may cause damage to the equipment or result in personal injury. Warnings should be taken seriously.



CAUTION

Cautionary messages should be heeded to help reduce the chance of losing data or damaging the product.



NOTE

These messages inform the reader of essential but non-critical information. These messages should be read carefully as any directions or instructions contained therein can help avoid making mistakes.



HOT SURFACE

This symbol indicates a hot surface that should not be touched without taking care.

AFL3-W07A-BT Panel PC

3.7.1 Wall Mounting

To mount the flat bezel panel PC onto the wall, please follow the steps below.

- Step 1:** Select the location on the wall for the wall-mounting bracket.
- Step 2:** Carefully mark the locations of the four screw holes in the bracket on the wall.
- Step 3:** Drill four pilot holes at the marked locations on the wall for the bracket retention screws.
- Step 4:** Align the wall-mounting bracket screw holes with the pilot holes.
- Step 5:** Secure the mounting-bracket to the wall by inserting the retention screws into the four pilot holes and tightening them (**Figure 3-9**).

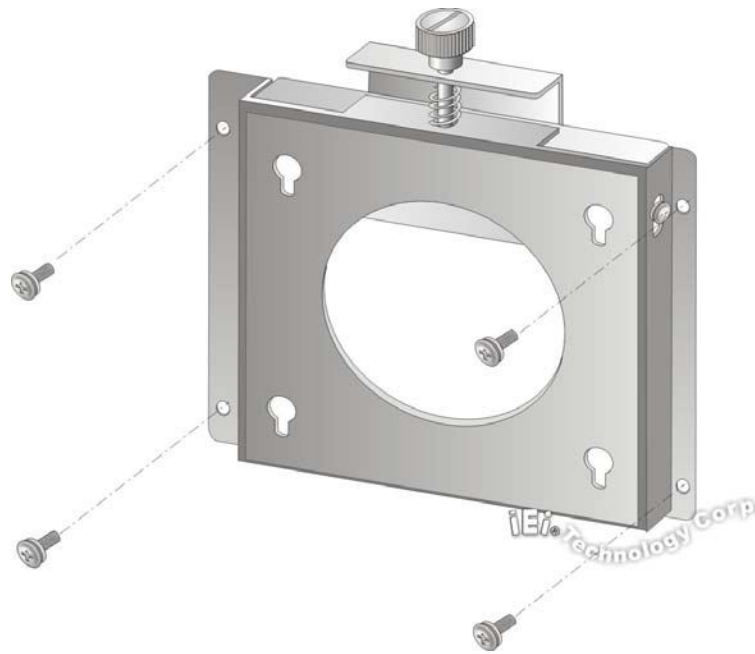
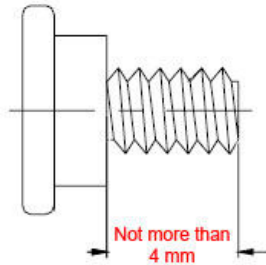


Figure 3-9: Wall-mounting Bracket

Step 6: Insert the four monitor mounting screws provided in the wall mount kit into the four screw holes on the rear panel of the flat bezel panel PC and tighten until the screw shank is secured against the rear panel (**Figure 3-10**).

**WARNING:**

Please use the M4 screws provided in the wall mount kit for the rear panel. If the screw is missing, the thread depth of the replacement screw should be not more than 4 mm.



Step 7: Align the mounting screws on the monitor rear panel with the mounting holes on the bracket.

Step 8: Carefully insert the screws through the holes and gently pull the monitor downwards until the monitor rests securely in the slotted holes (**Figure 3-10**). Ensure that all four of the mounting screws fit snugly into their respective slotted holes.

**NOTE:**

In the diagram below the bracket is already installed on the wall.

AFL3-W07A-BT Panel PC

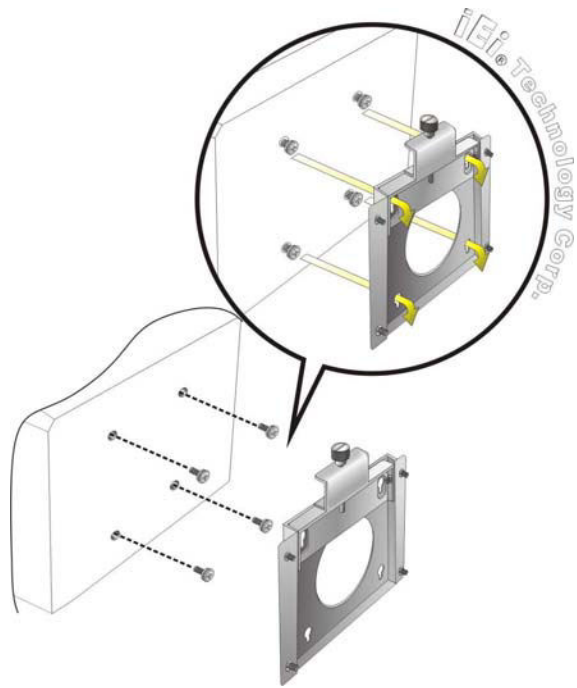


Figure 3-10: Chassis Support Screws

Step 9: Secure the panel PC by fastening the retention screw of the wall-mounting bracket. (Figure 3-11).

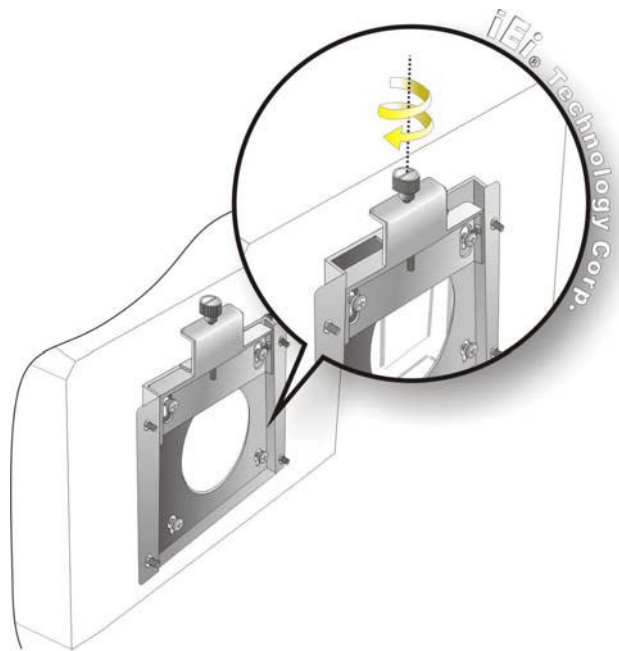


Figure 3-11: Secure the Panel PC

3.7.2 Panel Mounting

To mount the AFL3-W07A-BT flat bezel panel PC into a panel, please follow the steps below.

Step 1: Select the position on the panel to mount the flat bezel panel PC.

Step 2: Cut out a section corresponding to the size shown below. The size must be smaller than the outer edge.

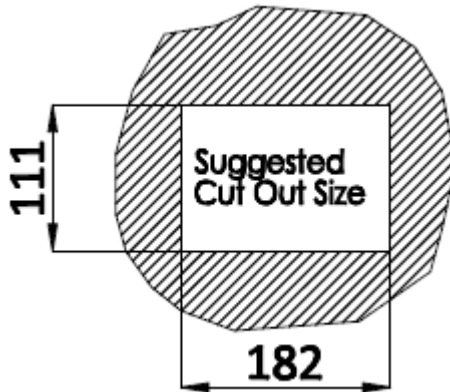





Figure 3-12: Cutout Dimensions

Step 3: Slide the flat bezel panel PC through the hole until the frame is flush against the panel.

Step 4: Insert a M5*50 screw into the screw hole on the side of the panel mounting bracket. Then, install the following components onto the screw in sequence.

See **Figure 3-13**.

Sequence	Item	Photo	Instruction
1	Spring		Install a spring onto the screw.
2	Nut		Tighten a nut until the spring is compressed enough for plastic cap.
3	Plastic cap		Tighten a plastic cap onto the end of screw thread.

AFL3-W07A-BT Panel PC

Step 5: Repeat **Step 4** to install the other three screws into the sides of the two panel mounting brackets.

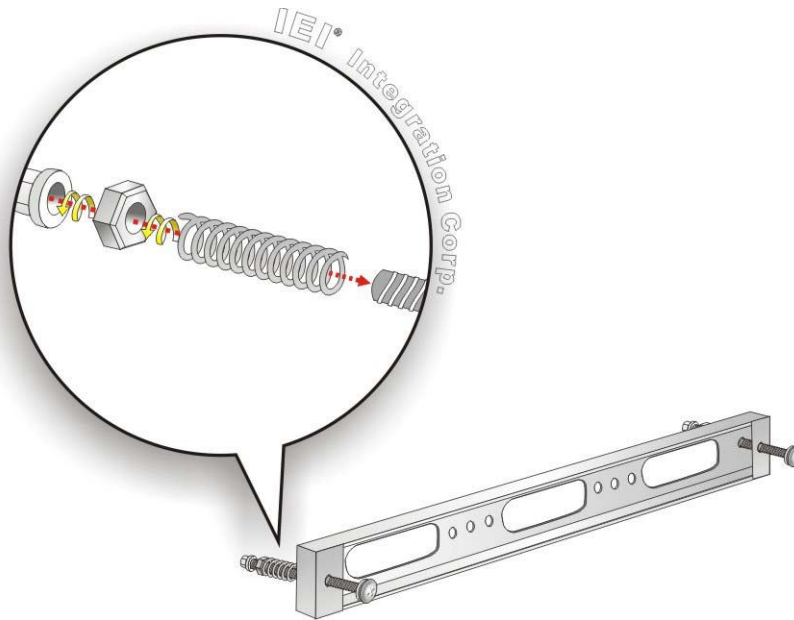


Figure 3-13: Panel Mounting Kit Installation

Step 6: Align the panel mounting bracket screw holes with the VESA mounting holes on the rear of the panel PC.

Step 7: Secure the two panel mounting brackets to the rear of the panel PC by inserting the four retention screws into the VESA mounting holes and tightening them (**Figure 3-14**).

**NOTE:**

The panel mounting kit described in this section is an optional item. To purchase it, please contact an IIEI sales representative.

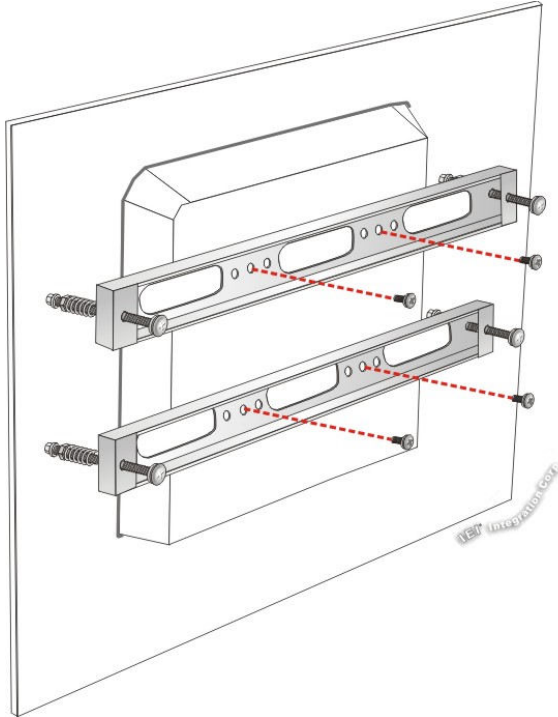


Figure 3-14: Securing Panel Mounting Brackets

3.7.3 Cabinet and Rack Installation

The AFL3-W07A-BT flat bezel panel PC can be installed into a cabinet or rack. The installation procedures are similar to the panel mounting installation. To do this, please follow the steps below:



NOTE:

When purchasing the cabinet/rack installation bracket, make sure it is compatible with both the AFL3-W07A-BT flat bezel panel PC and the rack/cabinet into which the AFL3-W07A-BT is installed.

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- Step 1:** Slide the rear chassis of the AFL3-W07A-BT flat bezel panel PC through the rack/cabinet bracket until the frame is flush against the front of the bracket (**Figure 3-15**).

AFL3-W07A-BT Panel PC

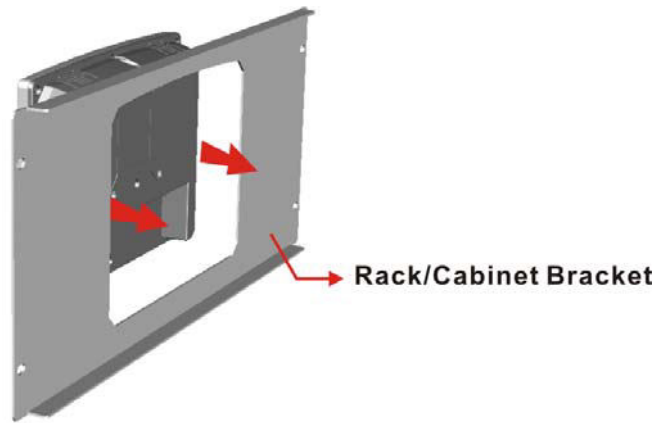





Figure 3-15: Rack/Cabinet Bracket Installation

Step 2: Insert a M5*50 screw into the screw hole on the side of the rack mounting bracket. Then, install the following components onto the screw in sequence.

See **Figure 3-16**.

Sequence	Item	Photo	Instruction
1	Spring		Install a spring onto the screw.
2	Nut		Tighten a nut until the spring is compressed enough for plastic cap.
3	Plastic cap		Tighten a plastic cap onto the end of screw thread.

Step 3: Repeat **Step 4** to install the other three screws into the sides of the two rack mounting brackets.

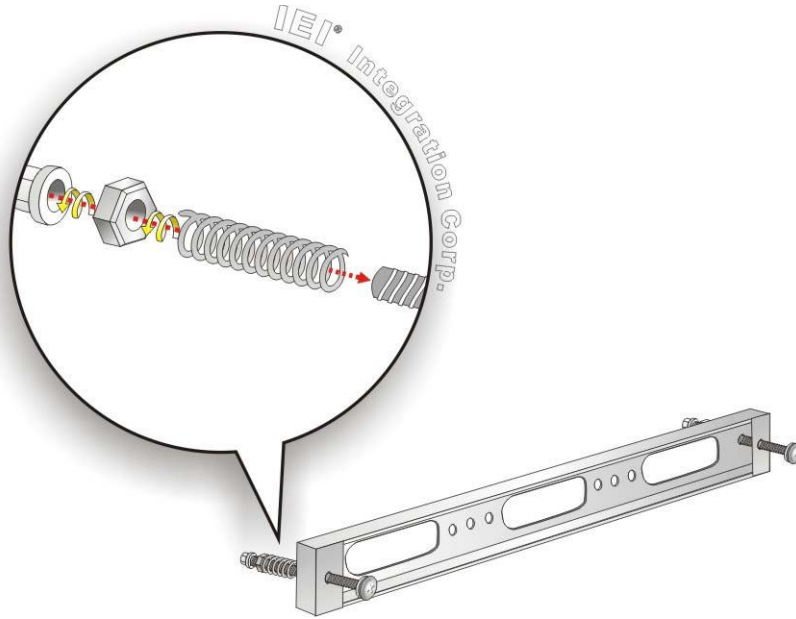


Figure 3-16: Rack Mounting Kit Installation

- Step 4:** Align the rack mounting bracket screw holes with the VESA mounting holes on the rear of the panel PC.
- Step 5:** Secure the two rack mounting brackets to the rear of the panel PC by inserting the four retention screws into the VESA mounting holes and tightening them (Figure 3-17).



NOTE:

The rack mounting kit described in this section is an optional item. To purchase it, please contact an IEI sales representative.

AFL3-W07A-BT Panel PC

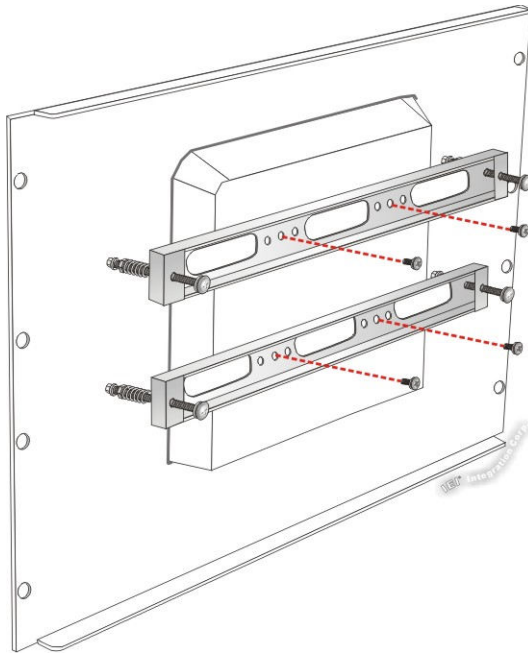


Figure 3-17: Securing Rack Mounting Brackets

Step 6: Slide the panel PC with the attached rack/cabinet bracket into a rack or cabinet (Figure 3-18).

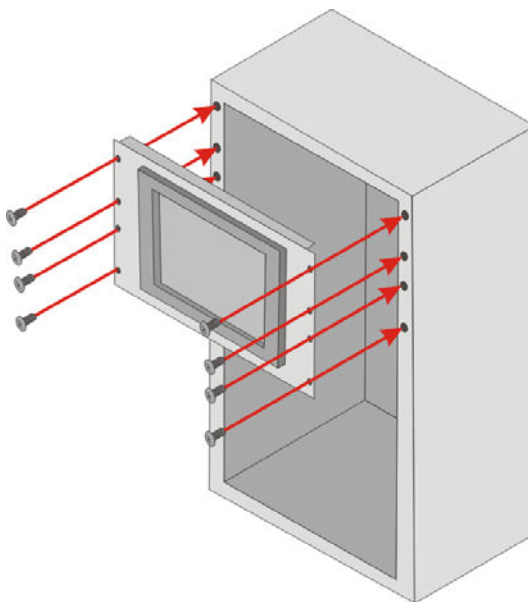


Figure 3-18: Install into a Rack/Cabinet

Step 7: Once the panel PC with the attached rack/cabinet bracket has been properly inserted into the rack or cabinet, secure the front of the rack/cabinet bracket to the front of the rack or cabinet (**Figure 3-18**).

3.7.4 Arm Mounting

The AFL3-W07A-BT is VESA (Video Electronics Standards Association) compliant and can be mounted on an arm with a 75 mm interface pad. To mount the AFL3-W07A-BT on an arm, please follow the steps below.

Step 1: The arm is a separately purchased item. Please correctly mount the arm onto the surface it uses as a base. To do this, refer to the installation documentation that came with the mounting arm.



NOTE:

When purchasing the arm please ensure that it is VESA compliant and that the arm has a 75 mm interface pad. If the mounting arm is not VESA compliant it cannot be used to support the AFL3-W07A-BT flat bezel panel PC.

Step 2: Once the mounting arm has been firmly attached to the surface, lift the flat bezel panel PC onto the interface pad of the mounting arm.

Step 3: Align the retention screw holes on the mounting arm interface with those in the flat bezel panel PC (**Figure 3-19**).

AFL3-W07A-BT Panel PC

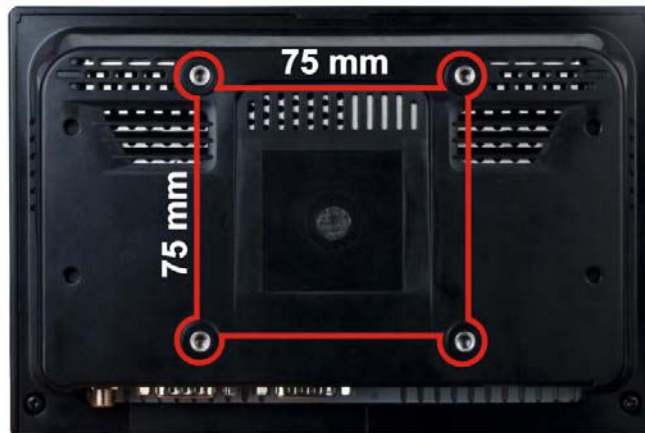


Figure 3-19: Arm Mounting Retention Screw Holes

Step 4: Secure the AFL3-W07A-BT to the interface pad by inserting four retention screws through the mounting arm interface pad and into the AFL3-W07A-BT.

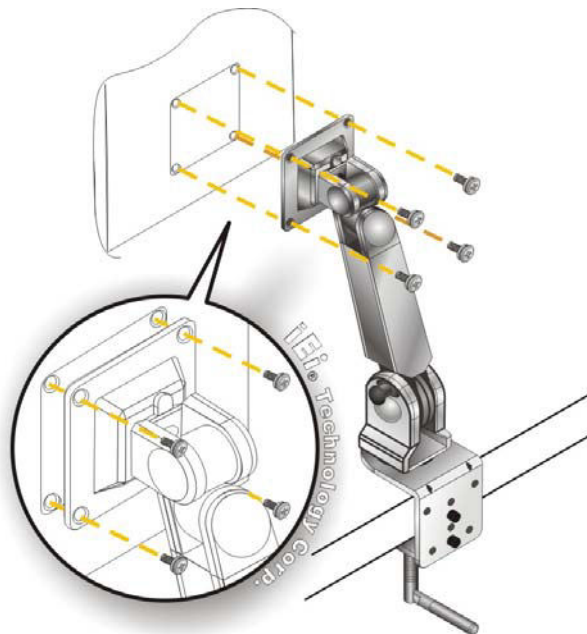


Figure 3-20: Arm Mounting

3.7.5 Stand Mounting

To mount the AFL3-W07A-BT using the stand mounting kit, please follow the steps below.

- Step 1:** Locate the screw holes on the rear of the AFL3-W07A-BT. This is where the bracket will be attached.
- Step 2:** Align the bracket with the screw holes.
- Step 3:** To secure the bracket to the AFL3-W07A-BT insert the retention screws into the screw holes and tighten them.

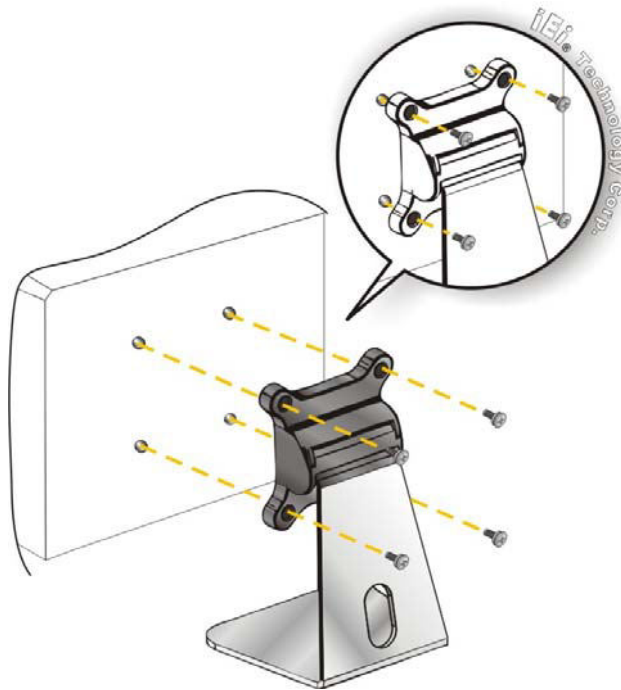


Figure 3-21: Stand Mounting (Stand-A/Bxx)

3.7.6 V-Stand Mounting

To mount the AFL3-W07A-BT using the V-Stand mounting kit, please follow the steps below.

- Step 1:** Carefully mark the locations of the four V-Stand screw holes on the mounting area. Drill four pilot holes at the marked locations for the V-Stand retention screws.

AFL3-W07A-BT Panel PC

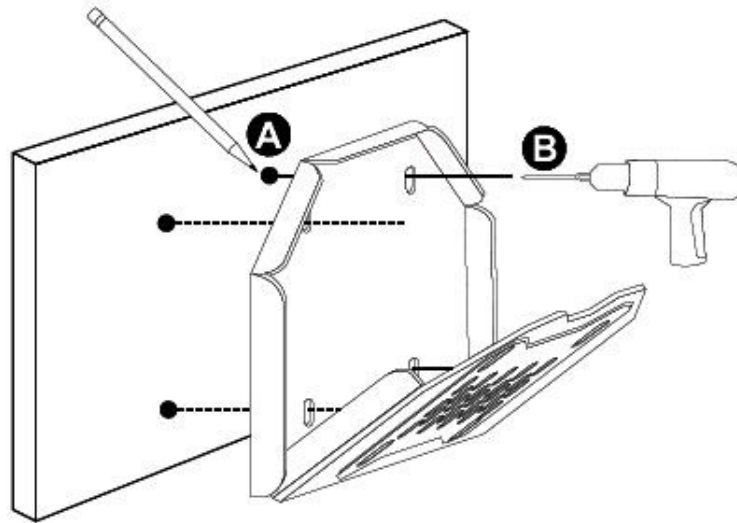


Figure 3-22: Drill Pilot Holes for V-Stand

- Step 2:** Align the screw holes on the V-Stand with the VESA mount screw holes on the system rear panel.
- Step 3:** Insert the four VESA mount screws into the four screw holes on the system rear panel. Adjust the V-Stand to a proper position.
- Step 4:** Tighten until the screw shank is secured against the rear panel.

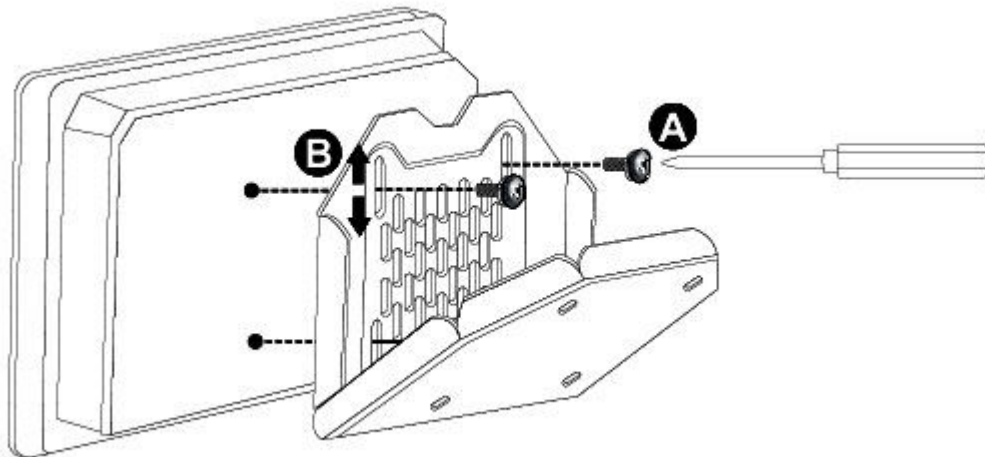


Figure 3-23: Secure V-Stand to System

Step 5: Align the V-Stand screw holes with the pilot holes on the mounting area. Mount the V-Stand by inserting the retention screws into the four pilot holes and tightening them.

Step 6: Adjust the V-Stand to have a best viewing angle to operate the system.

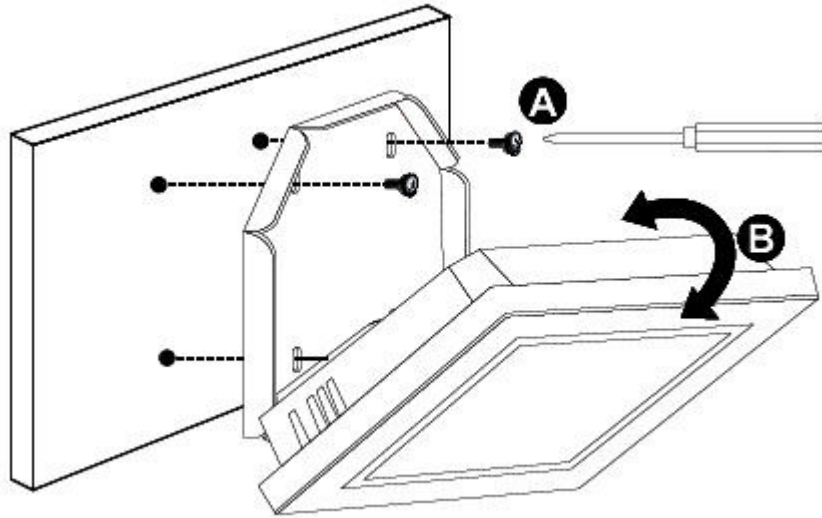


Figure 3-24: Secure V-Stand to Mounting Area

3.8 Powering On the System

To power on the system, follow the steps below:

Step 1: Connect the power cord to the power adapter. Connect the other end of the power cord to a power source.

Step 2: Connect the power adapter to the power connector of the AFL3-W07A-BT.

Step 3: Locate the power button on the I/O panel.

Step 4: Hold down the power button until the power LED on the front panel turns on in green.