



Mounting Accessories for Oracle MICROS KDC 210 and Bump Bar

(PN 600526-038-PT)

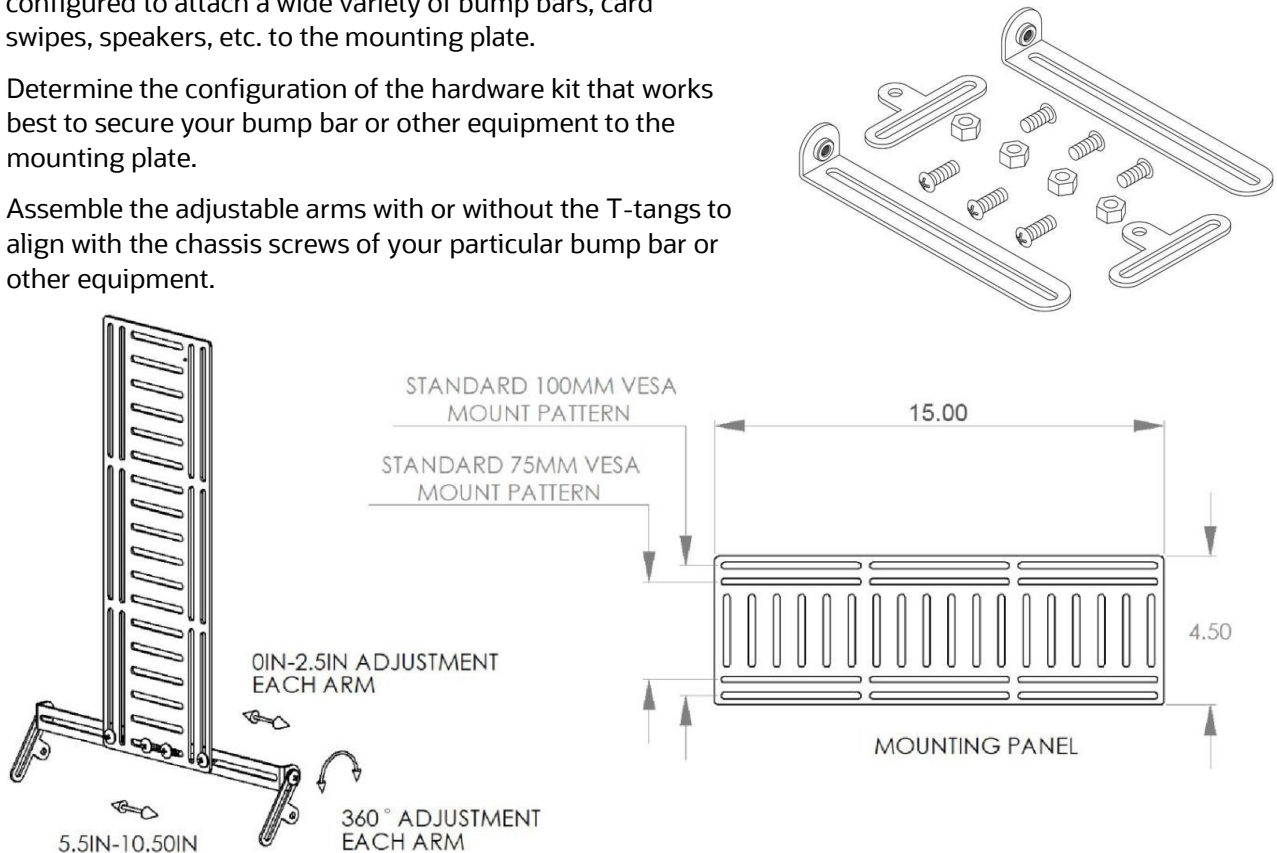
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Overview

The Flat Panel Accessory Mount (FPAM) can be attached to the rear of any 75 or 100mm VESA-compatible monitor or touchscreen. It can be used to support accessories such as bump bars, card swipes, speakers, etc. The mounting plate can be laid across the VESA pattern and rotates to position the plate so that it can be used to support accessory items below, above, and to either side of the screen.

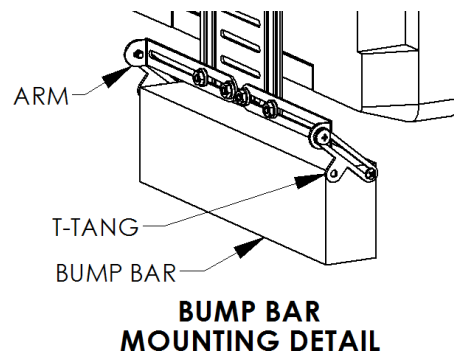
Using the hardware kit to attach bump bars or other equipment to the FPAM mounting plate

1. Examine the contents of the optional FPAM hardware kit. Note that the arms and T-tangs of the hardware kit can be configured to attach a wide variety of bump bars, card swipes, speakers, etc. to the mounting plate.
2. Determine the configuration of the hardware kit that works best to secure your bump bar or other equipment to the mounting plate.
3. Assemble the adjustable arms with or without the T-tangs to align with the chassis screws of your particular bump bar or other equipment.

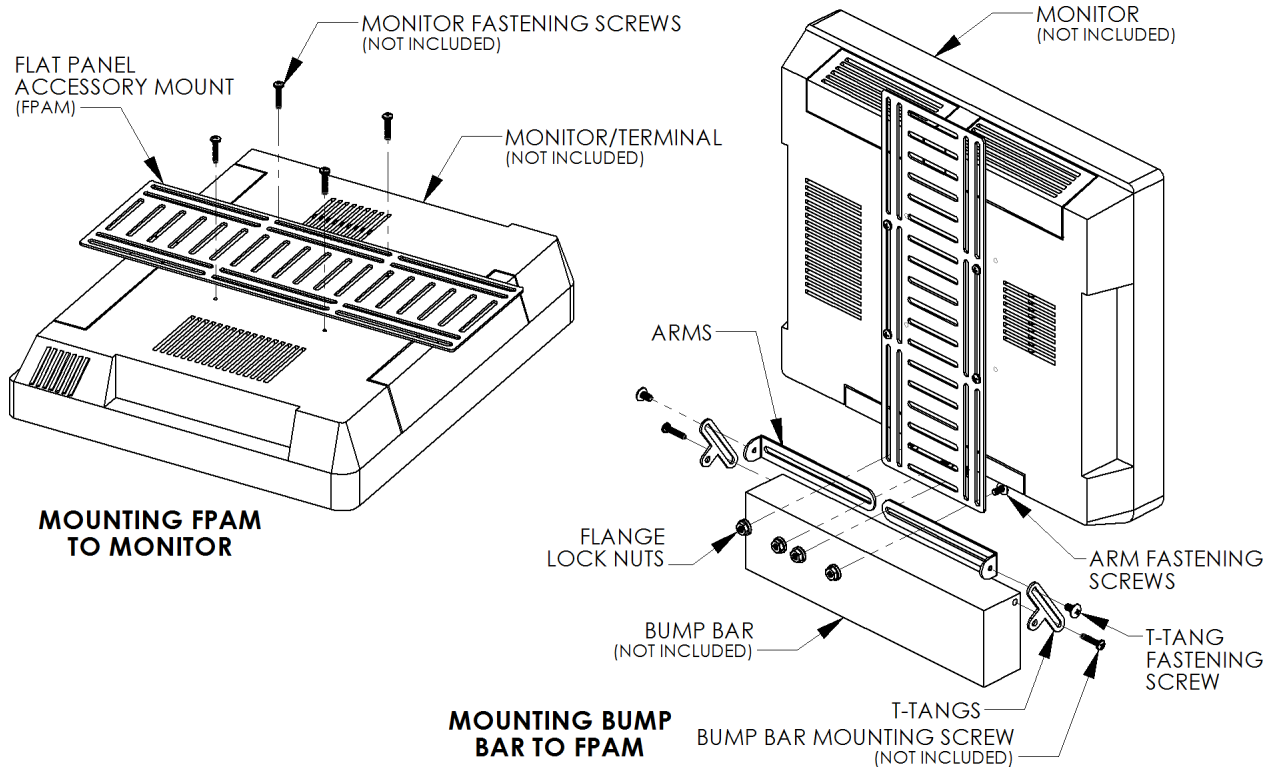


Installing a bump bar below the front of the screen

1. Place the monitor or touch screen with the screen facing down on a smooth flat surface and remove the VESA mounting screws from the back of the monitor. (see next page) **NOTE:** you may need to obtain longer screws and/or some small washers to connect the VESA pan and tilt head and the FPAM to the back of the screen.
2. If you are using a monitor speaker bar, install it to your screen before proceeding.
3. Place the bump bar so that it is facing down, and the top of the bump bar is located directly against the bottom center of the screen.
4. Place the FPAM mounting plate on top of the center of the back of the screen and bump bar.



- Align the four VESA mounting holes on the back of the screen with two of the slots on the FPAM mounting plate. Loosely insert two VESA mounting screws through the slots in the FPAM mounting plate and into the VESA mounting holes on the back of the screen.
- Assemble the hardware kit to create two arms so that the slots in the arms or T-tangs align with the chassis screw holes on the sides, bottom, or back of the bump bar. The other ends of the arms align with the slots on the FPAM mounting plate.



- Carefully remove the chassis screws on the bump bar and then reinstall the screws through the slots in the T-tangs or arms to attach them to the bump bar. **NOTE:** some small washers and/or longer screws may be needed to correctly attach the arms or tee tangs to the bump bar chassis screw holes.
- Align the opposite ends of the arms with the slots on the FPAM mounting plate and secure them with screws and lock nuts from the hardware kit.
- Remove the two screws loosely holding the FPAM mounting plate to the back of the screen.

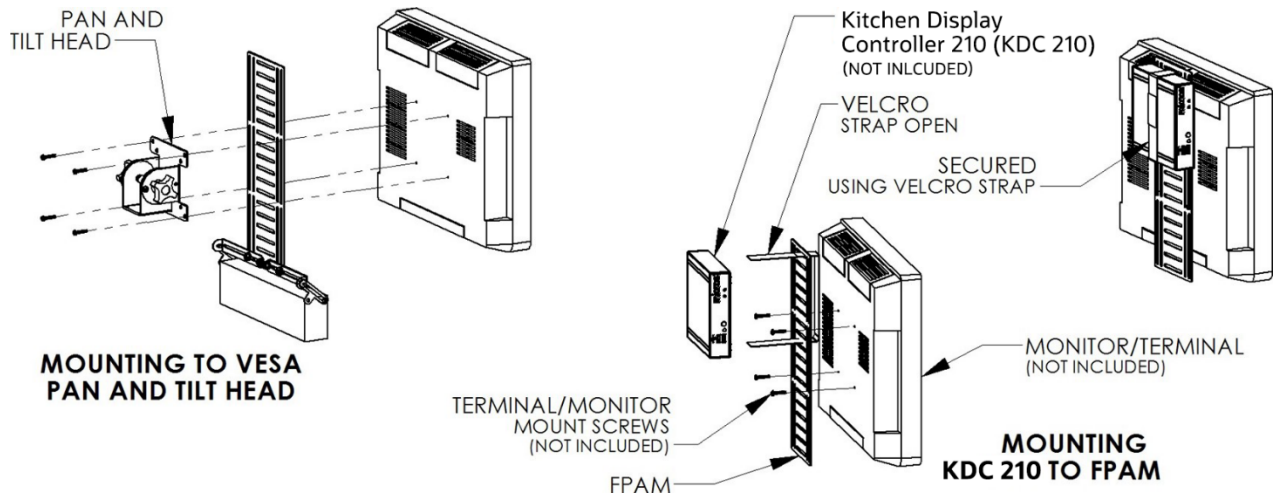
Attaching a VESA pan and tilt head to the FPAM and screen

- Place the VESA pan and tilt head on top of the FPAM mounting plate. Align the VESA mounting holes in the pan and tilt head with the slots in the FPAM mounting plate and the four VESA mounting holes on the back of the screen. (see image on next page)
- Loosely insert all four screws through the holes in the pan and tilt head, through the slots in the FPAM, and into the VESA mounting holes in the back of the screen and verify that everything is properly aligned.

- Carefully tighten the VESA mounting screws to secure the pan and tilt head and the FPAM with the attached equipment to the back of the screen.

Attaching a MICROS KDC 210 controller or similar unit to the FPAM

- Install the hook-and-loop strapping through the top slot of the FPAM bracket and around the back of the bracket to the first empty slot above the VESA pan and tilt head. The controller unit can be installed directly against the pan and tilt head by routing the strapping around the roller within the middle of the back of the pan and tilt head, and around the strapping screw at the top of the back of the pan and tilt head. (see image on next page)



Once the hook-and-loop strapping is installed through the slots in the FPAM mounting plate, place the controller unit so that the cable connections are oriented towards the sides of the FPAM bracket.

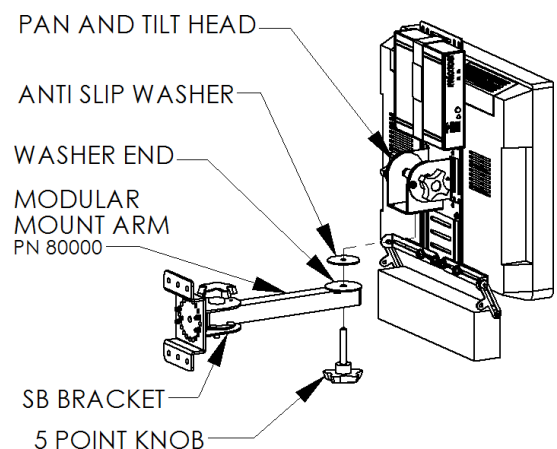
- Pull the hook-and-loop strapping down snugly and then press the mating faces of the strapping firmly together to secure the controller unit to the FPAM mount.
- If you are using a bump bar, verify that it is aligned properly with the bottom of the screen, and make any final adjustments to the arms and T-tangs.

Installing the assembled screen and FPAM with attached equipment to an optional modular mounting arm

- Place an anti-slip washer on top of the single washer end of the modular mounting arm. Carefully lift the screen with the FPAM and equipment and align the hole in the end of the top of the arm with the threaded hole on the bottom of the VESA pan and tilt head. Install the five-point knob through the bottom of the modular mounting arm, through the anti-slip washer, and into the threaded hole located in the bottom of the pan and tilt head. Tighten the five-point knob to remove excess free play between the pan and tilt head and the end of the modular mounting arm.

Note: Practical Quality Systems (PQS) PN 80000 includes arm as well as all components described in adjacent image.

- Turn the screen so that you can access the cable connections on the sides of the controller unit and



connect the associated cables for the power, touch screen, network data, bump bar, etc.

3. Rotate the completed assembly to the desired side-to-side position. Tighten the clamping knobs on the top of the SB (Stand Off) bracket at the mounting plate and at the bottom of the VESA pan and tilt head to secure those positions. Tilt the completed assembly to the desired viewing angle and use the two four-point knobs on the sides of the VESA pan and tilt head to secure the monitor at the desired tilt position.

NOTE: If you are using the FPAM with a PQS modular mounting system, please refer to that product's installation instructions to correctly install the mount.

Using MBB-10 or MBB-20 with *Flat Panel Accessory Mount (FPAM)* for KDC 210 (PN 600526-038-PT)

ORACLE MICROS part number 600526-038-PT FPAM comes with a pair of mounting arms for mounting other bump bars. These will not be necessary to mount the MBB-10 and MBB-20 brackets. The brackets for the MBB-10 and MBB-20 are designed to line up directly with the FPAM bracket.

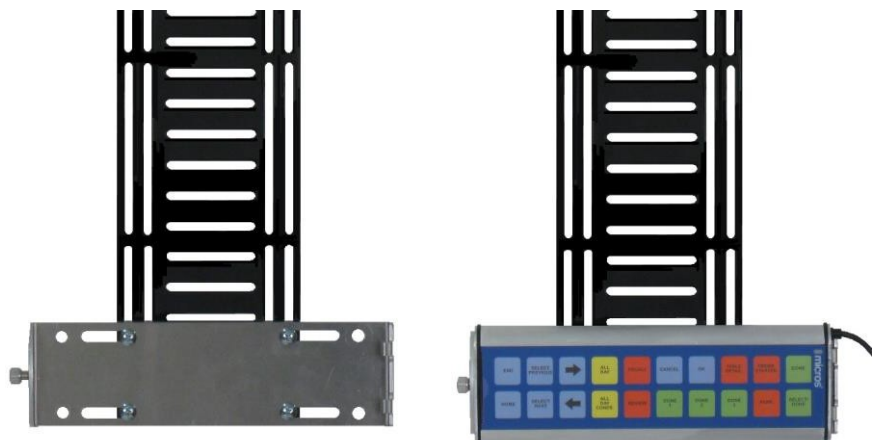
For the MBB-10 bracket, the mounting holes should line up with the outermost vertical slots on the FPAM. Use the screws and nuts provided with the FPAM to mount the MBB-10 bracket. It is recommended that all four mounting holes on the MBB-10 bracket are used to mount to the FPAM.



Line up the cable side of the MBB-10 with the mounting tabs on the bracket and position the opposite side of the bumpbar into the bracket. The thumb screw should be lined up so that you can tighten it to securely hold the bump bar in place.

For the MBB-20, use the same provided mounting screws and nuts and line up the outer- most vertical slots on the FPAM with the inner- most points on the MBB-20 bracket mounting slots. It is recommended that all four mounting positions on the MBB-20 bracket are used to mount to the FPAM.

The MBB-20 bump bar mounts to its bracket in the same way as the MBB-10, as described above.



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