Kit Instructions

Memory Upgrade

7702-K134/138
Issue C

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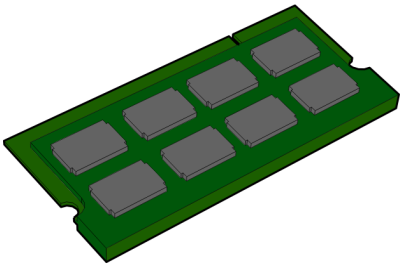
Revision Record

Issue	Date	Remarks
A	Jun 2014	First Issue
B	Jul 2018	Added installation procedures for SelfServ 75 Kiosk
C	Jul 2019	Updated procedures for 7705 Kiosk

Memory Upgrade

This kit provides a memory upgrade for the RealPOS XR7/XR5 POS and SelfServ 75 Kiosk. Refer to the terminal sections in this document for installation procedures.

Kit Contents



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Kit number	Description
7702-K134	4 GB Memory Module, DDR3, 1600
7702-K138	8 GB Memory Module, DDR3, 1600

Warning: Disconnect the AC power cord before disassembling the Terminal.

Caution: Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer's case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

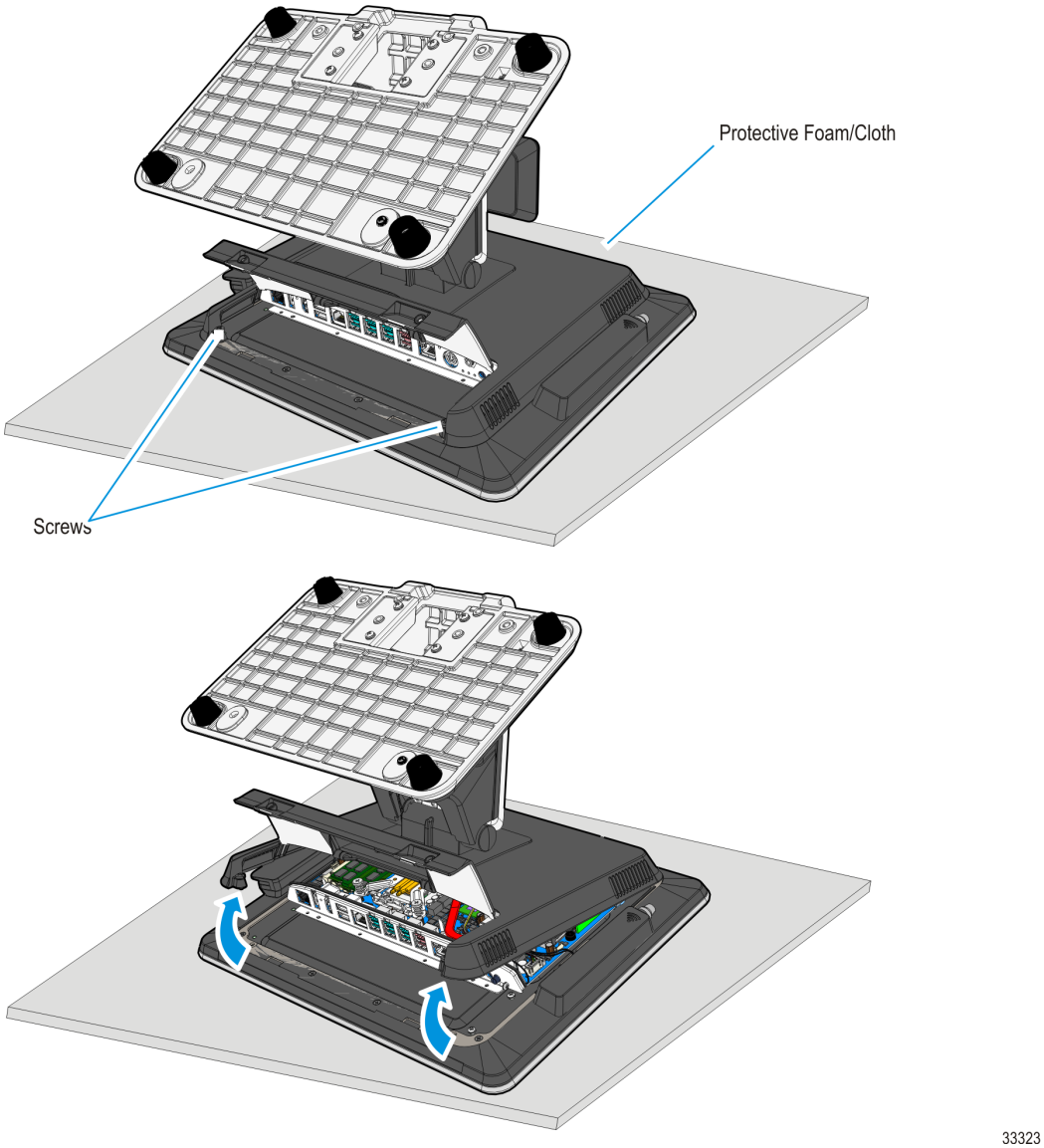
RealPOS XR7 (7702) Installation Procedures

Memory configurations containing a single memory module should be installed in the lower socket (Socket 1). Memory can be expanded by installing a second module in the upper socket (Socket 2).

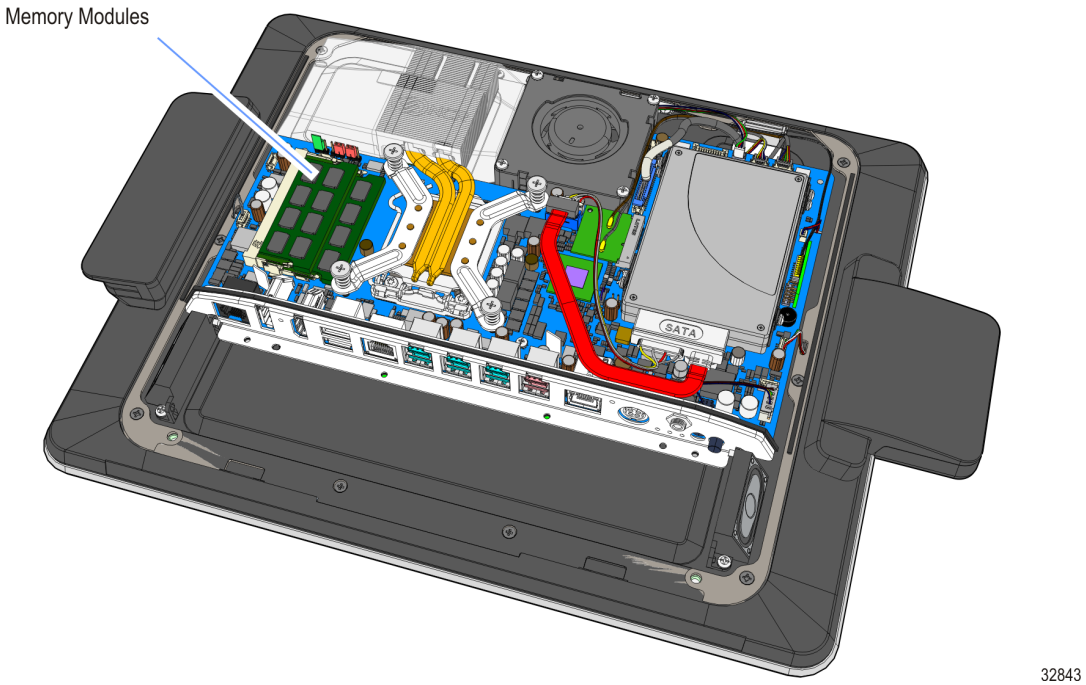
1. Lay the terminal face down on a flat surface.

Caution: Always use a soft material (cloth, foam) to protect the display screen when placing the terminal face down.

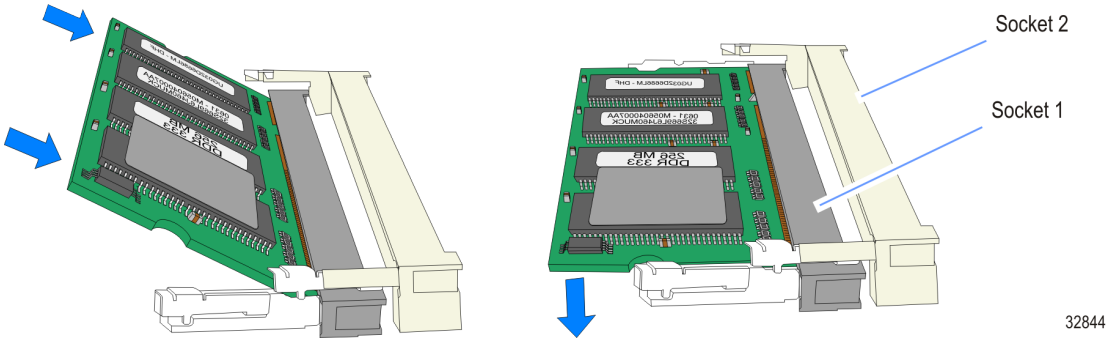
2. Remove the Base Stand and Rear Cover assembly.
   a. Loosen the captive screws (2) that secure the Rear Cover to the chassis.
   b. Pivot the assembly as shown to remove it.



3. The Motherboard contains two SODIMM sockets, stacked one on top of the other. The sockets can be populated with any combination of the supported memory module sizes (2 GB, 4 GB), 8 GB with a maximum of 16 GB total system memory.



1. To install a module, align it with the socket and push it into the socket (the socket is keyed).
2. Press the module down until it latches in position. Ensure that the edges of the module engage the latches and that the latches are completely engaged.



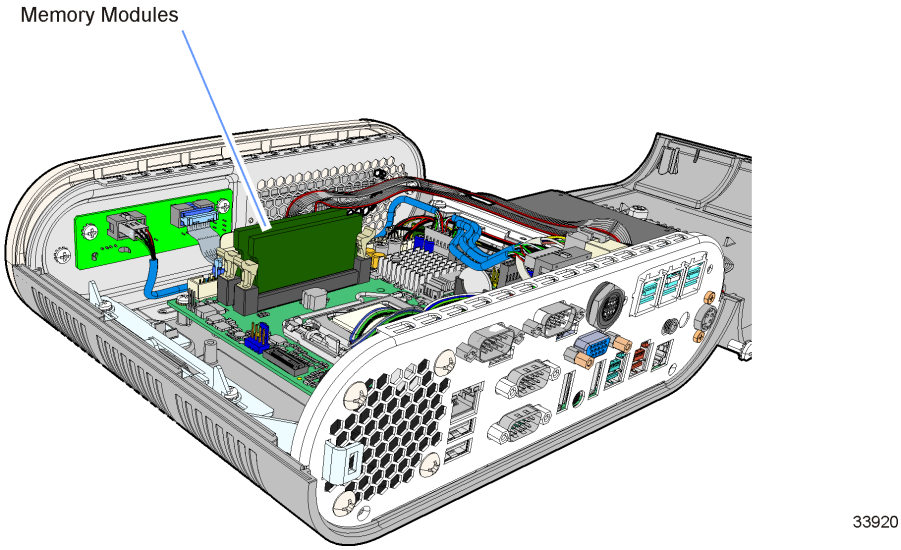
Note: After powering up the terminal, re-flash the SPI/BIOS to ensure the latest version is installed and verify that the terminal is fully functional (see the BIOS Updating Procedures chapter in the NCR RealPOS XR7 User Guide (B005-0000-2332). During this operation you will see a prompt for terminal model and serial number information.

Important: Model/Serial Number is mandatory.

3. Replace the Base Stand and Rear Cover assembly on the terminal.

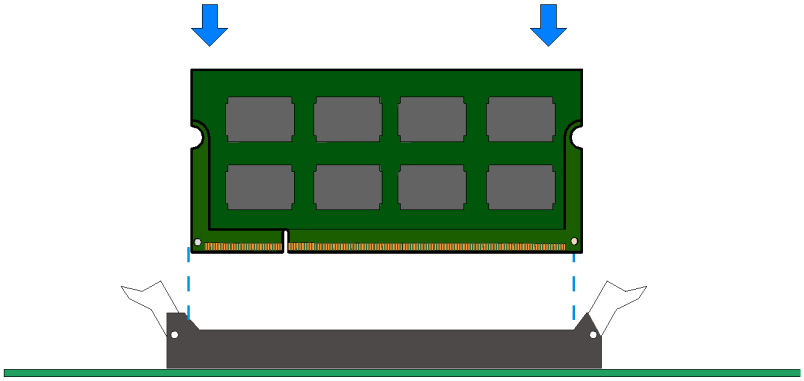
RealPOS XR5 (7603) Installation Procedures

1. Open the Top Cover.

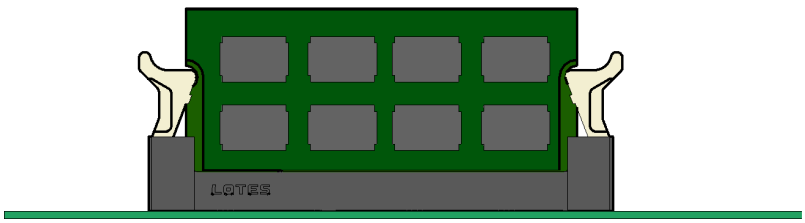


2. Open the latches at the ends of one of the Memory Module Sockets.

3. Align the DIMM in the socket and push it straight down by applying pressure on the ends smoothly with both hands as indicated by the arrows below (Note that the DIMM connector is keyed).



4. Ensure that the edges of the DIMM engage the latches and that the latches are completely closed.



SelfServ 75 (7705) Kiosk Installation Procedures

Installing the Memory Module to a 7705 kiosk involves the following procedures:

1. Turn off the kiosk.
2. Remove the EBox cover.
3. Install the Memory Module.

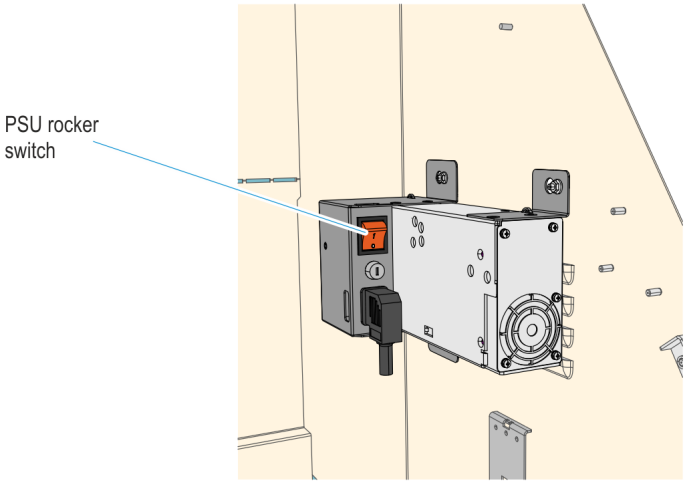
Turn off the kiosk

Before installing the Memory Module, the kiosk must be completely powered down using the procedures indicated in this section. However, if necessary, the External AC Power Cable can also be used to disconnect power.

1. Attach a CE keyboard to the kiosk.
2. Exit and close the Kiosk Software Application.
3. To shut down the Kiosk Operating System, select **Start→Shut down**.

Note: For Windows 10, select **Start→Power→Shut down**.

4. Push the Top Box PSU (Orange) switch to the "0" position.



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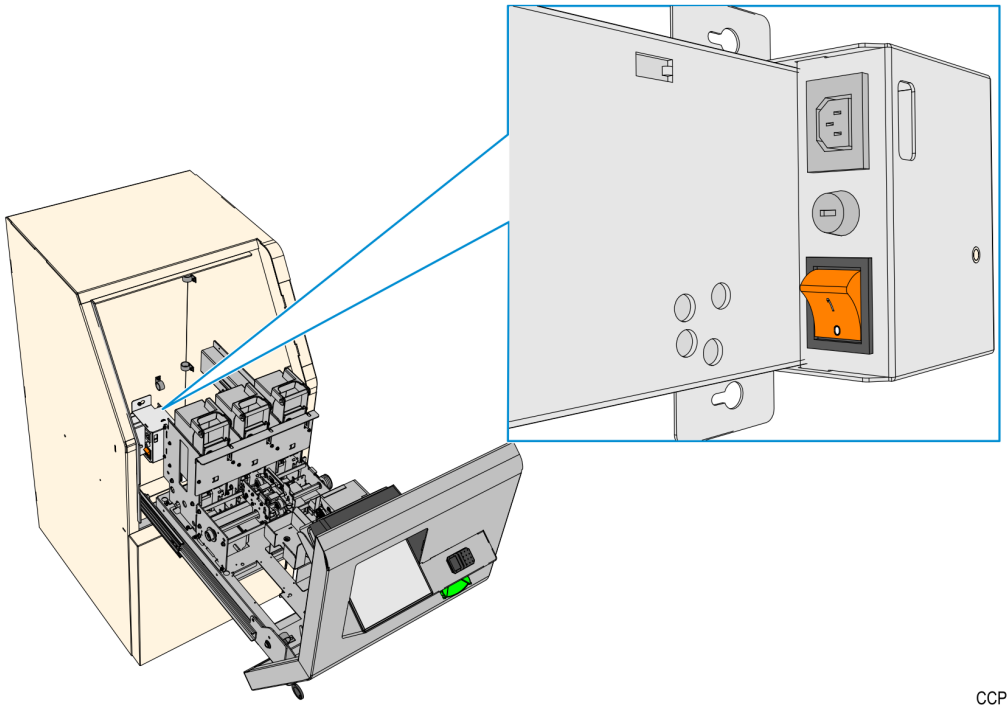
5. If a Sidecar is present, push the Sidecar PSU (Orange) switch to the "0" position.



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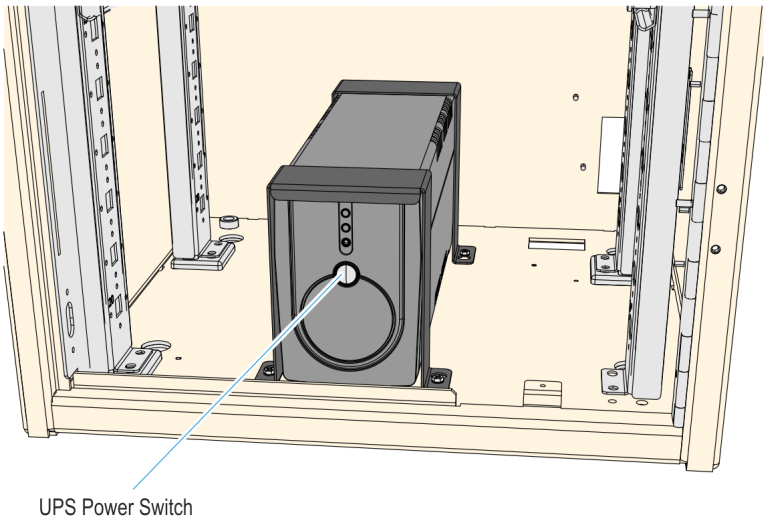
6. If a UPS is present, push the power switch to shut it down.



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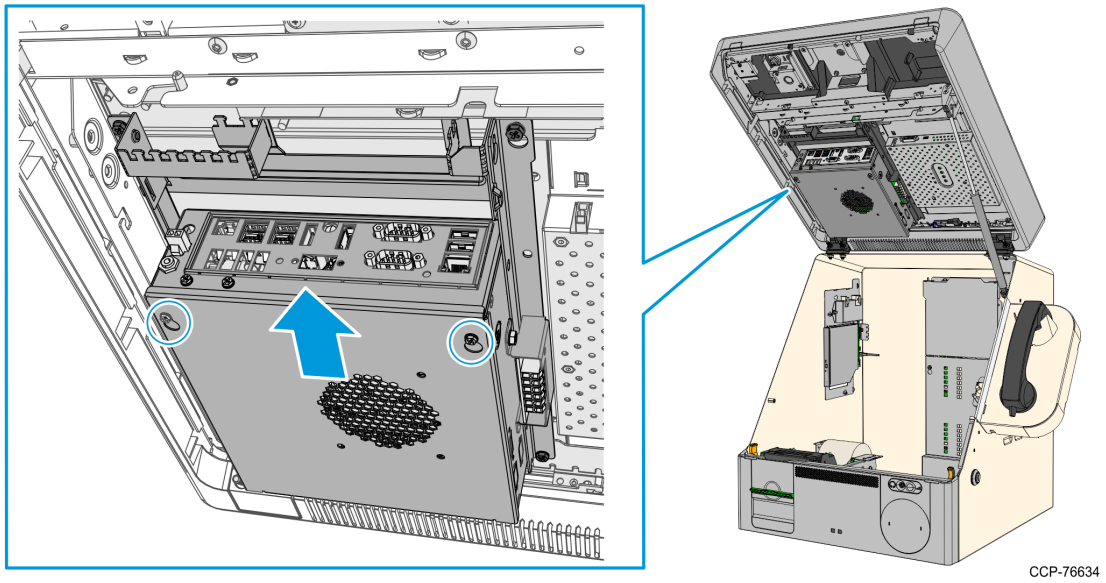
7. Disconnect the AC Power Cable from the AC power source.

Removing the EBox cover

Caution: Properly hold and support the EBox cover while loosening or tightening the screws that secure the EBox cover to the EBox chassis.

! Important: Though the cables do not need to be disconnected while removing the EBox cover and installing the Memory Module, it is recommended to take a picture of the cable connections to the EBox and of the cable routing. This action may be helpful in case any of the cables get disconnected during the memory upgrade procedures.

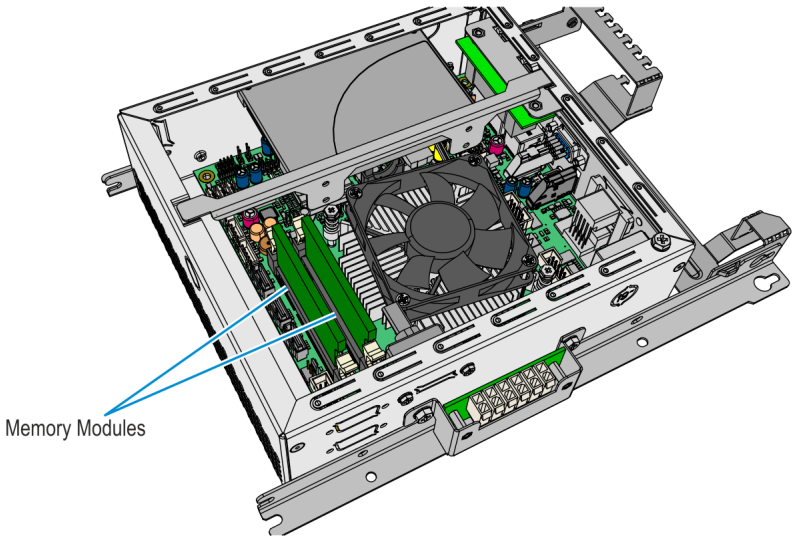
1. Loosen the two screws at the top of the EBox cover.



2. Slide the EBox cover upwards and remove it from the EBox chassis. The memory module sockets can now be accessed.

Installing the Memory Module

Caution: Hold the memory modules at the sides only. Never hold more than one module at a time. Never bend or twist the modules as this could seriously damage the contacts. Observe anti-static precautions when handling the memory modules.



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To install a Memory Module, perform the following steps:

1. Open the latches at the ends of the **vacant** Memory Module Socket.

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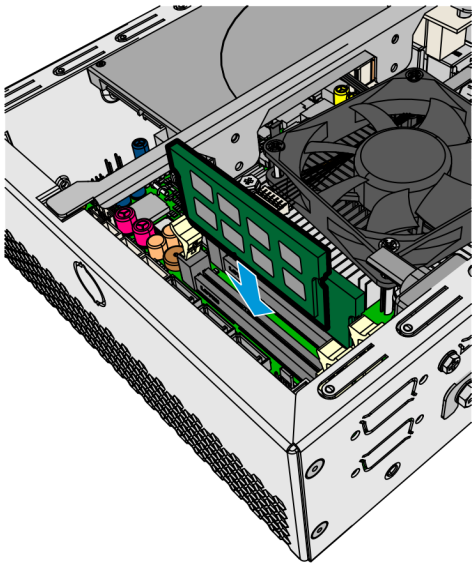
2. Align the notch on the Memory Module to the notch on the socket and push the module straight down by applying pressure on the ends smoothly with both hands.



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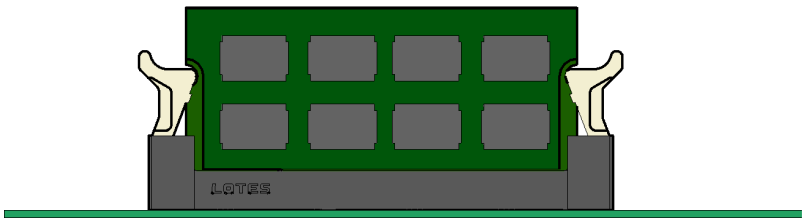
3. Ensure that the edges of the module engage the socket latches and that the latches are completely closed.



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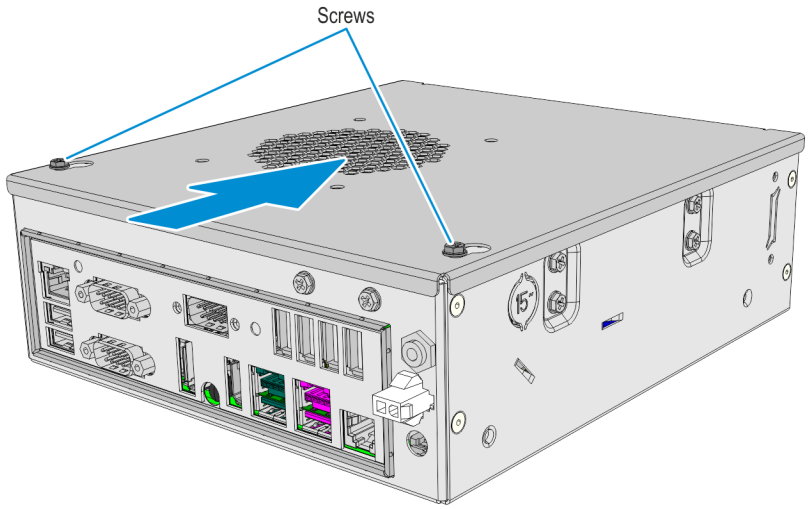
Installing the EBox cover

Caution: Properly hold and support the EBox cover while loosening or tightening the screws that secure the EBox cover to the EBox chassis.

1. Mount the cover on the chassis, inserting the mounting keyholes over the screws.
2. Slide the cover backward and tighten the two screws to secure the cover to the chassis.



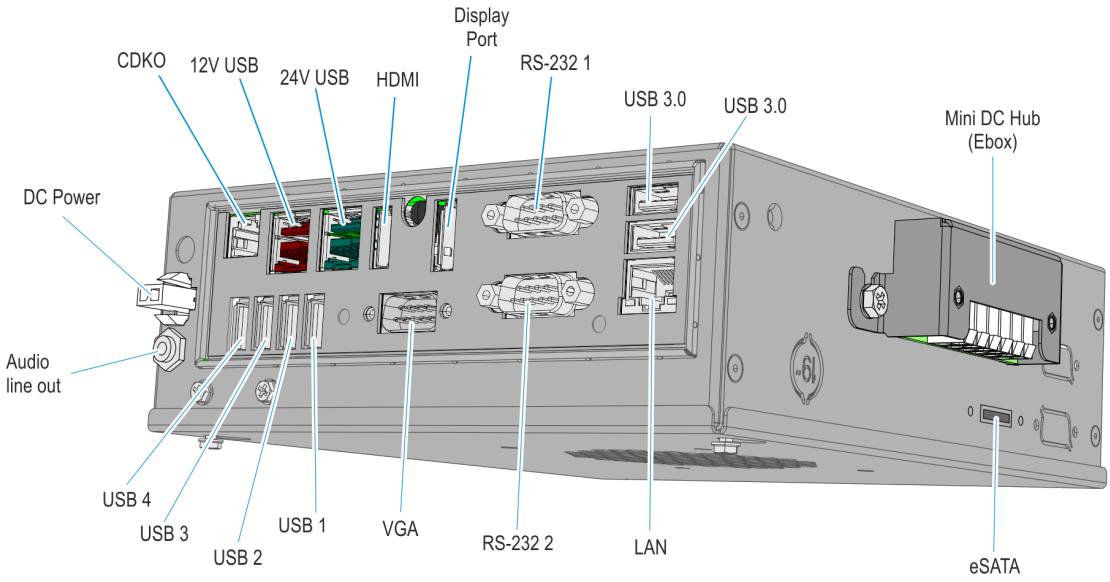
Note: The EBox illustration above does NOT show the actual EBox orientation when the fascia is in open position.

3. Double-check to ensure that no cables are accidentally loosened or disconnected. In case of loosened or disconnected cables, refer to *Cable Connection* on the facing page.

Cable Connection

Note: Depending on the Kiosk configuration, not all device cables may be present.

EBOX I/O Panel	Cable
USB 3.0 Ports	19-inch Touchscreen
	USB Mini Hub (from top Box USB Mini Hub)
LAN	LAN
RS 232 (COM 1)	Note Acceptor
USB 1	PIN Pads (IPP350, VX805/820) or UX300 MSR
USB 2	Barcode Scanner
USB 3	USB Camera Digitizer
USB 4	Trackball and Switch
Audio Out	Line Out (from MIDI MISC IF)
DC Power	DC distribution (from EBox Mini DC hub)



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