TAIKO AUDIO

XDMI Daughter Board Swap in Olympus I/O

Changing the XDMI Daughter Board in the Olympus I/O

The XDMI Daughter Boards are user-swappable. To swap one for the other, for instance, to change from an Analog module to Digital module, please carry out the following steps.

The I/O has two PCI slots, one for the Network Card, and one for the XDMI output Card. The cutouts for the two slots are machined such that the XDMI card only fits its intended slot, and it would not fit in the Network Card slot. The smaller slot is for the Network Card while the larger slot is for the XDMI Output Card.

Diagrams can be found on the last page.

Removing the I/O Bottom Cover Panel

1. Power off the unit with the rear switch.
2. Remove the AC Power Cable.
3. Wait for approximately 2 minutes for the Battery sections to shut down. You can check this by looking through the unit's perforated top, into the front right section, where the green light will go off.
4. Use the BMS app and select shipping mode for each of the respective unit's independent Battery Sections.
5. Clear a stable surface such as a table and lay a blanket on it.
6. Place the I/O on the blanket, UPSIDE DOWN.
7. Unscrew the 6 2-mm HEX (inbus) screws that hold the bottom panel in place. There are 3 screws on each opposing side. See the **Olympus I/O Bottom Panel Diagram** below.
8. Carefully remove the bottom cover from the chassis' top section by moving it upward in a straight motion.

Locating and removing the XDMI Card

1. Note that the entire two-tier PCI Card module needs to be removed from the I/O, after which the XDMI Daughter Board can be swapped, and the PCI Card re-seated.
2. Locate the XDMI Output Card (the large module with the copper backplate) and remove the DC cable.
3. Unscrew the 6 screws on the backpanel that secure the XDMI card's copper panel to the chassis and in the PCI slot. See the **Olympus I/O XDMI Card Diagram** below.
4. In the Olympus Server, the analog XDMI Daughter card is grounded via a separate cable. This cable is not used in the Olympus I/O.
5. Lift the XDMI card out of the PCI slot in a sideways motion.
6. Remove the four screws that secure the Daughter Board to the XDMI Card, pull it up, and set it aside.

Fitting the XDMI Daughter Board

1. Fit the other XDMI Daughter Board on top of the XDMI Card and secure it with the 4 screws.
2. Position the XDMI Card back into the PCI slot in a sideways motion.
3. The Analog XDMI Card is supplied with a separate ground cable. This is only required for use in the Olympus Server. The ground cable is not required in the Olympus I/O.
4. Re-fit the 6 screws that secure the XDMI Card from the rear side of the I/O unit.
5. Reconnect the DC cable. Be careful not to twist it too much.

Installing the Network Card

The Network Card is removed and installed in the same way as the XDMI Daughter Board.

However, when relocating the Network Card from the Olympus Server to the Olympus I/O, the copper bracket must be changed to a narrower version. This narrow bracket is normally supplied with the card when purchased for use with the I/O.

Re-fit the top section

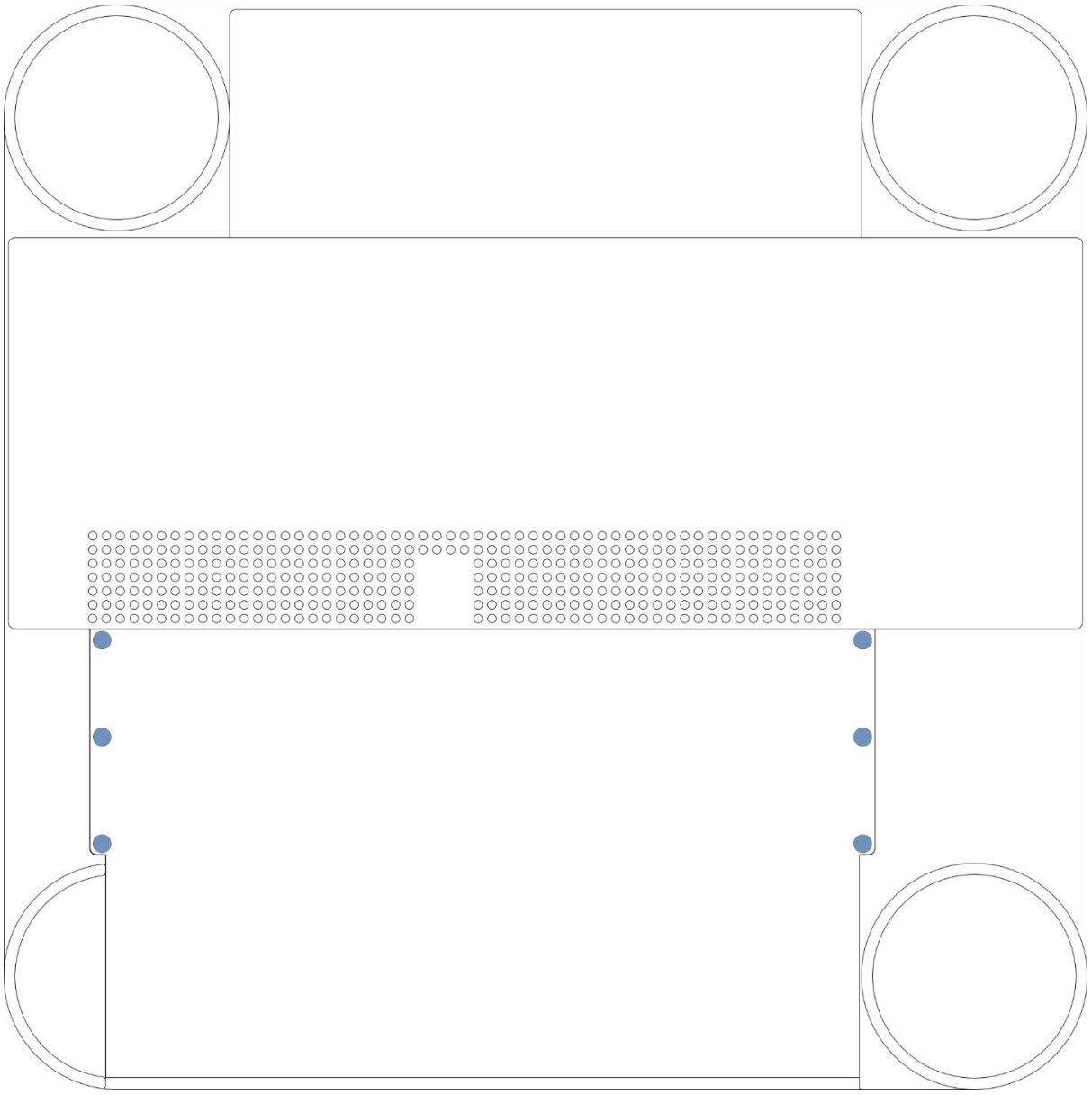
1. Lower the bottom section back onto the chassis' top panel.
2. Re-fit the 6 2-mm HEX (inbus) screws using the supplied Allen key (inbussleutel).
3. Lift the unit, rotate it back to normal straight up position, and place it back in its intended position.
4. Reconnect the Network, Analog or Digital cables.
5. Reconnect the mains power cable.
6. Power on the unit with the rear switch. The unit will automatically come out of Shipping Mode and start as normal.
7. The I/O is now ready for use.

For Diagrams, see the next page.

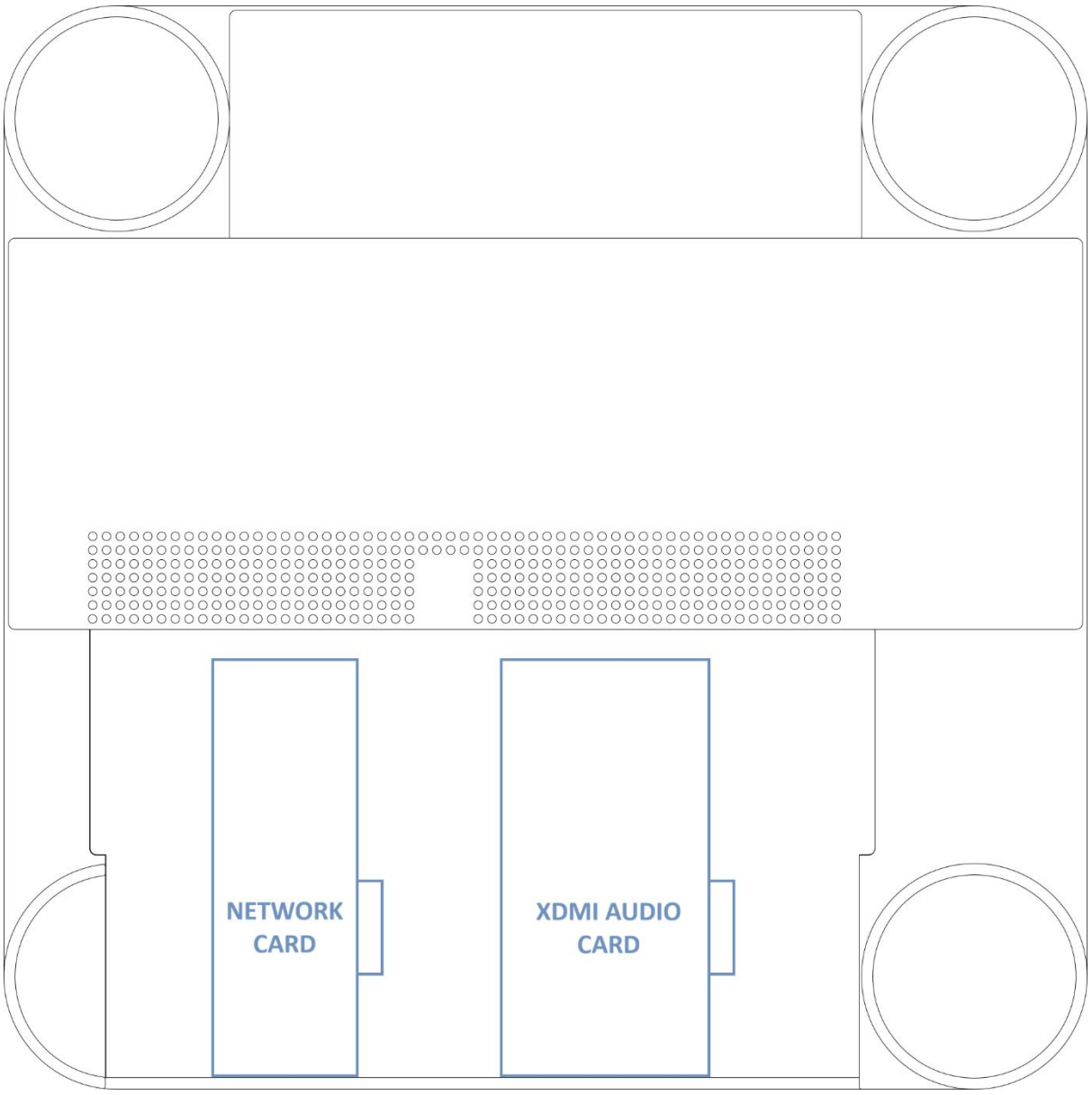
Diagrams

Olympus I/O Bottom Panel

Location of the six M3, 2-mm Hex (inbus) screws that secure the I/O's bottom panel.



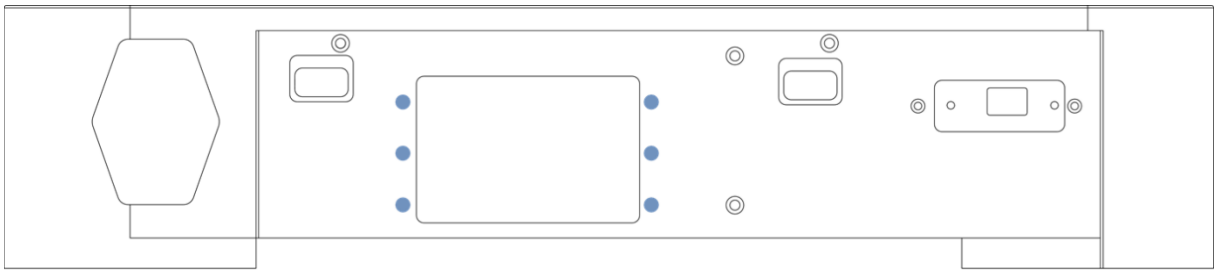
Seen from this angle, underneath the bottom panel, the Network Card is located on the left and the XDMI audio card is located on the right.


NETWORK
CARD
XDMI AUDIO
CARD

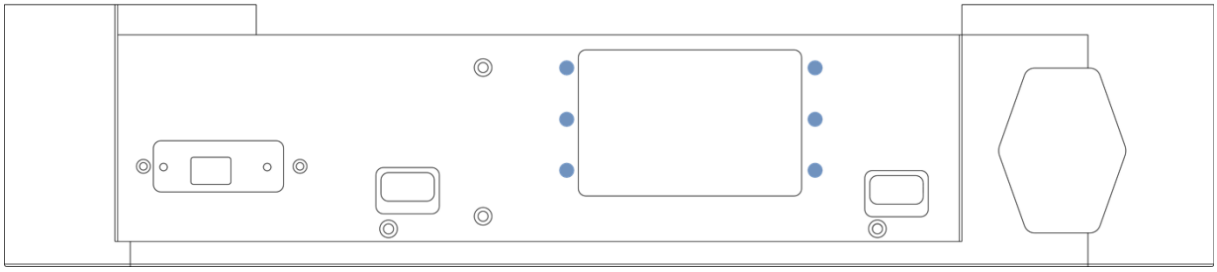
Olympus I/O rear side

Location of the 6 screws on the backpanel that secure the XDMI card in the PCI slot.

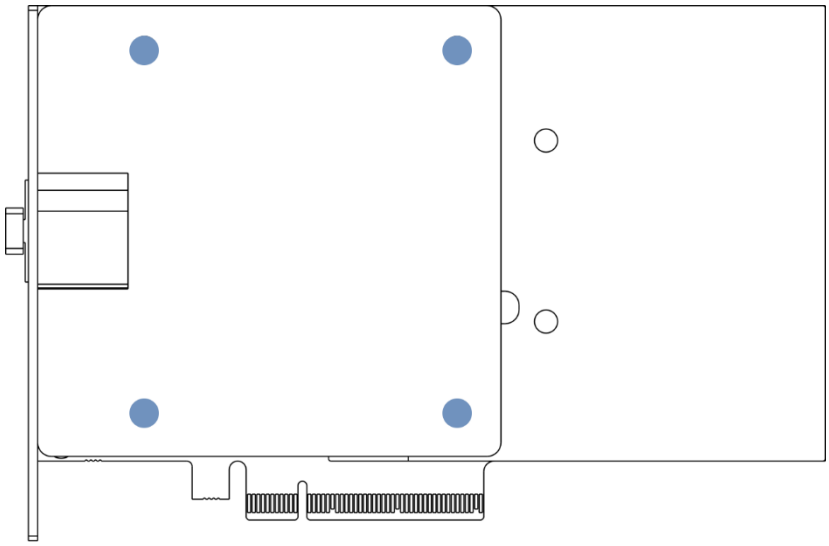
Standing on its feet:



Turned upside down:



XDMI Card with Daughter Board

Schematic of an XDMI Card, showing the XDMI PCI base board with a Daughter Board on top, showing the locations of the 4 screws that secure the Daughter Board to the XDMI base board.

Please note that the analog Daughter Board requires different length screws than the digital Daughter Boards. If ordered separately, these longer screws are delivered along with the analog board.