

12.4 Modules and Audio Connections

The ASI2416 extended model number indicates the module(s) and where they are placed in the ASI2416, as well as the connector(s) and where they are placed in the ASI2416 (connected to the modules). The extended model number has the following format, where X=module and Y= connector: ASI2416-XXXX-YYYY. A 0 indicates empty slots/connectors.

For example, if purchasing an ASI1441 with connector ASI1492 for slot 1, the extended model number would be ASI2416-4000-3000.

12.4.1 Modules

The ASI2416 will ship with ordered modules and connectors already installed. Should a module need to be changed in the field, it is easily done. Use an anti-static strap when handling the modules. Power down the ASI2416 and remove the three, small screws that attach the module to the ASI2416 (two on the bottom, one on top). Slide the module(s) out. Slide the module(s) in the desired slot(s), replace the three screws, and power up the ASI2416. The connector is removed from the module in the same way; slide the two components apart.

Note that when installing modules, always populate the back of the ASI2416 from left to right, and do not leave any gaps.

For Example, looking at the back of an ASI2416:

Correct:

ASI1443	ASI1443	ASI1431	<empty>	
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Incorrect:

ASI1443	<empty>	ASI1431	<empty>	
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There are eight different modules for the ASI2416:

Analog:

ASI1431 – 8 channels in/out
 ASI1432 – 8 channels in
 ASI1433 – 8 channels out

AES/EBU:

ASI1441 – 4 in/out (8 channels in/out)
 ASI1442 – 4 in (8 channels in)
 ASI1443 – 4 out (8 channels out)

Other:

ASI1451 – GPIO, 16 Optos/16 Relays
 ASI1462 – Mic/Line In, 8 channels in

For further information on the modules, datasheets for each one can be found [here](#) under Resources.

12.4.2 Connectors

The ASI2416 modules support a range of interchangeable I/O connectors. A choice of 50pin Centronics (ASI1491), StudioHub+™ (ASI1492), Phoenix (terminal block) (ASI1493), and ASI1493 (¼" TRS) allows the module to adapt to a wide variety of interconnection schemes with minimal custom wiring.

The ASI2416 will ship with the ordered connectors installed on the ordered modules. Should a connector need to be replaced in the field, remove the module as stated in the section above then grasp the module in one hand and the connector in the other and carefully slide the two pieces apart. Replace connectors as needed, and then slide the module/connector unit back in the ASI2416, as stated above.



ASI1491
50 pin Centronics



ASI1492
StudioHub+



ASI1493
Terminal Block



ASI1494
¼" TRS

For pinout information, refer to the rear label of the connector, or go to the ASI2416 overview web page [here](#) and under Resources click on the specific module's datasheet.