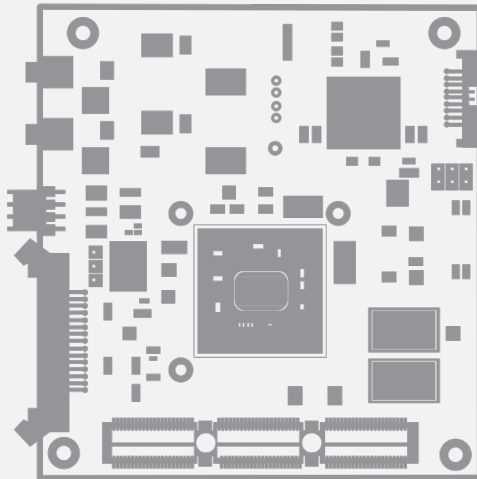


eGrabber

Installing PCIe/104 Frame Grabbers

- 1629 Coaxlink Duo PCIe/104-EMB
- 3300 HD26F I/O module for Coaxlink Duo PCIe/104
- 3301 Thermal drain (Model 1) for Coaxlink Duo PCIe/104
- 3302 DIN1.0/2.3 Coaxial cable for Coaxlink Duo PCIe/104



1. Declarations



Notice for Europe

This product is in conformity with the Council Directive 2014/30/EU



Notice for Great Britain

This product is in conformity with Electromagnetic Compatibility Regulations 2016

1629 Coaxlink Duo PCIe/104-EMB has been tested and found to comply with:

- EN 50121 electromagnetic compatibility requirements for rolling stock apparatus in railways applications
- EN 55024 / CISPR 24 or EN 55035 / CISPR 35 electromagnetic immunity requirements for information technology equipment
- EN 610006-2 Immunity standard for industrial environments

To meet these requirements, shielded cables must be used to connect a peripheral to the card.



Notice for USA

Compliance Information Statement (Declaration of Conformity Procedure) DoC FCC Part 15

1629 Coaxlink Duo PCIe/104-EMB has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules.

The Class A limits are designed to provide reasonable protection against harmful interference in an industrial environment.

These equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If any of these equipments does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



This product is in conformity with the European Union 2015/863 (ROHS3) Directive, that stands for "the restriction of the use of certain hazardous substances in electrical and electronic equipment".



According the European directive 2012/19/EU, the product must be disposed of separately from normal household waste. It must be recycled according to the local regulations.

2. Precautions for Use of Board Products

Electrostatic Sensitive Device Boards may be damaged by electrostatic discharges. Follow the procedure hereby described and apply any general procedure aimed at reducing the risk associated with electrostatic discharge. Damage caused by improper handling is not covered by the manufacturer's warranty.

Electromagnetic Compatibility Euresys boards are compliant with electromagnetic compatibility regulatory requirements. To ensure this compliance, the card bracket must be secured with the relevant screw in accordance with the procedure described herein.

Risk of Electrical Shock Do not operate the computer with any enclosure cover removed. During the hardware installation, ensure the AC power cord is unplugged before touching any internal part of the computer.

Risk of Burn Do not touch an operating board. Allow board to cool before handling.

Heating Device It is normal for a board to dissipate some heat during operation. All enclosure covers, including blank brackets, must be fitted correctly to ensure that the fan cools the computer adequately.

Hot Plugging Forbidden Uncontrolled plugging and unplugging of equipment may damage a board. Always switch off the computer and any relevant system device when connecting or disconnecting a cable at the frame grabber or auxiliary board bracket. Failure to do so may damage the card and will void the warranty.

Poor Grounding Protection The computer and the camera can be located in distant areas with individual ground connections. Poor ground interconnection, ground loop or ground fault may induce unwanted voltage between equipment, causing excessive current in the interconnecting cables. This faulty situation can damage the frame grabber or the camera electrical interface. The user must follow proper equipment grounding practices at all ends of the interconnecting cables. In addition, the use of cable assemblies with overall shield solidly connected to the conductive shell of all connectors is recommended. Besides the beneficial effect of cable shielding on electromagnetic compatibility, the shield connection can increase the protection level against grounding problems by temporarily absorbing unwanted fault current.

3. PCI Express/104 Card Stacking Requirements

The Host PC must be equipped with one stack-DOWN connector of the following types:

- Type 2 PCIe/104 with 2 PCI Express Gen 2 x4 links providing at least four active lanes.
- Type 1 PCIe/104 with 1 PCI Express x16 link configured to operate as 2 x8 links providing at least four active lanes per link.

4. PCI Express/104 Module Installation Procedure

1. Switch off the computer and all connected peripherals (monitor, printer...).
2. Discharge any static electricity that could be accumulated by your body. You can achieve this by touching an unpainted metal part of the enclosure of your computer with a bare hand. Make sure that the computer is linked to the AC power outlet with proper earth connection.
3. Disconnect all cables from your computer, including AC power.
4. Unwrap the module(s) packing, take the board and carefully hold it. Avoid any contact of the board with unnecessary items, including your clothes.
5. For each module, install a thermal drain. For instance: **3301 Thermal drain (Model 1) for Coaxlink Duo PCIe/104**.
6. Install the first module directly under the Host PC. Secure it using 4 spacers (not supplied).
7. **Optional.** Repeat the operation to install a second module under the first one.
8. For each module, attach 2 coaxial cables to the enclosure and plugs it into the CoaXPress Host A and CoaXPress Host B connectors. For instance: **3302 DIN1.0/2.3 Coaxial cable for Coaxlink Duo PCIe/104**.
9. **Optional.** For each module, attach one I/O module to the enclosure and plug the cable to the Extension connector.
10. Terminate the installation of the thermal drain. For instance: **3300 HD26F I/O module for Coaxlink Duo PCIe/104**
11. **Optional.** When the camera(s) is (are) powered through the CoaXPress cable, connect a 24 V DC power source to the Camera Power Input connector using a 4-pin 0.1-in Molex KK7478 female plug.
12. **Optional.** When synchronized acquisition is required for cameras attached to different cards, establish the card-to-card link interconnections.

5. Software Setup Procedure

Prior to use the board, it is necessary to install the driver and update or install the firmware.

- The **eGrabber** driver is available in the **Coaxlink series** section of the *download area* of the *Euresys website*: <https://www.euresys.com/Support/Download-area>.
- Detailed instructions for driver installation and firmware update are available in the *Frame Grabbers>Getting Started > Software Setup* section of the [eGrabber on-line documentation](#).