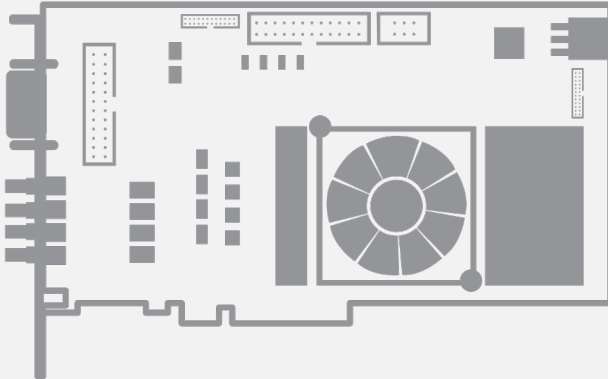


eGrabber

Installing PCIe Frame Grabbers

1630 Coaxlink Mono
1631 Coaxlink Duo
1632 Coaxlink Quad
1633 Coaxlink Quad G3
1633-LH Coaxlink Quad G3 LH
1635 Coaxlink Quad G3 DF
1637 Coaxlink Quad 3D-LLE
3602 Coaxlink Octo
3603 Coaxlink Quad CXP-12
3603-4 Coaxlink Quad CXP-12
1628 Grablink Duo

3620 Coaxlink Quad CXP-12 JPEG
3620-4 Coaxlink Quad CXP-12 JPEG
3621 Coaxlink Mono CXP-12
3621-LH Coaxlink Mono CXP-12 LH
3622 Coaxlink Duo CXP-12
3622-LH Coaxlink Duo CXP-12 LH
3623 Coaxlink Quad CXP-12 Value
3625 Coaxlink QSFP+



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

1628 Grablank Duo, 3623 Coaxlink Quad CXP-12 Value, 3625 Coaxlink QSFP+ and 3614 HD26F I/O Extension Module - Standard I/O Set have been tested and found to comply with:

- Class B EN 55022 / CISPR 22 or EN 55032 / CISPR 32 electromagnetic emission requirements for information technology equipment
- EN 55024 / CISPR 24 or EN 55035 / CISPR 35 electromagnetic immunity requirements for information technology equipment
- EN 61000-6-2 Immunity standard for industrial environments

1630 Coaxlink Mono, 1631 Coaxlink Duo, 1632 Coaxlink Quad, 1633 Coaxlink Quad G3, 1633-LH Coaxlink Quad G3 LH, 1637 Coaxlink Quad 3D-LLE, 3603 Coaxlink Quad CXP-12, 3603-4 Coaxlink Quad CXP-12, 3620 Coaxlink Quad CXP-12 JPEG, 3620-4 Coaxlink Quad CXP-12 JPEG, 3621 Coaxlink Mono CXP-12, 3621-LH Coaxlink Mono CXP-12 LH, 3622 Coaxlink Duo CXP-12, 3622-LH Coaxlink Duo CXP-12 LH, 1636 InterPC C2C-Link Adapter, 3610 HD26F I/O Extension Module TTL-RS422 and 3612 HD26F I/O Extension Module TTL-CMOS5V-RS422 have been tested and found to comply with:

- Class B EN 55022 / CISPR 22 or EN 55032 / CISPR 32 electromagnetic emission requirements for information technology equipment
- EN 55024 / CISPR 24 or EN 55035 / CISPR 35 electromagnetic immunity requirements for information technology equipment

1635 Coaxlink Quad G3 DF and 3602 Coaxlink Octo have been tested and found to comply with:

- Class A EN 55022 / CISPR 22 or EN 55032 / CISPR 32 electromagnetic emission requirements for information technology equipment
- EN 55024 / CISPR 24 or EN 55035 / CISPR 35 electromagnetic immunity requirements for information technology equipment

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

1628 Grablank Duo, 1630 Coaxlink Mono, 1631 Coaxlink Duo, 1632 Coaxlink Quad, 1633 Coaxlink Quad G3, 1633-LH Coaxlink Quad G3 LH, 1637 Coaxlink Quad 3D-LLE, 3603 Coaxlink Quad CXP-12, 3603-4 Coaxlink Quad CXP-12, 3620 Coaxlink Quad CXP-12 JPEG, 3620-4 Coaxlink Quad CXP-12 JPEG, 3621 Coaxlink Mono CXP-12, 3621-LH Coaxlink Mono CXP-12 LH, 3622 Coaxlink Duo CXP-12, 3622-LH Coaxlink Duo CXP-12 LH, 3623 Coaxlink Quad CXP-12 Value, 3625 Coaxlink QSFP+, 1636 InterPC C2C-Link Adapter, 3610 HD26F I/O Extension Module TTL-RS422, 3612 HD26F I/O Extension Module TTL-CMOS5V-RS422 and 3614 HD26F I/O Extension Module - Standard I/O Set have been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

1635 Coaxlink Quad G3 DF and 3602 Coaxlink Octo have 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 B limits are designed to provide reasonable protection against harmful interference in a residential installation or when the equipment is operated in a commercial environment. 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.



Notice for Korea

Registered products under the Clause 3, Article 58-2 of Radio Waves Act:

Registration Number Euresys Products
R-R-EUR-PC1628 **1628 Grablank Duo**

Registration Number Euresys Products

| | |
|---------------------|--|
| MSIP-REM-EUr-PC1631 | 1630 Coaxlink Mono, 1631 Coaxlink Duo |
| MSIP-REM-EUr-PC1632 | 1632 Coaxlink Quad |
| MSIP-REM-EUr-PC1633 | 1633 Coaxlink Quad G3, 1633-LH Coaxlink Quad G3 LH, 1637 Coaxlink Quad 3D-LLE |
| R-R-EUr-PC1635 | 1635 Coaxlink Quad G3 DF |
| R-R-EUr-PC3602 | 3602 Coaxlink Octo |
| R-R-EUr-PC3603 | 3603 Coaxlink Quad CXP-12, 3603-4 Coaxlink Quad CXP-12, 3620 Coaxlink Quad CXP-12 JPEG, 3620-4 Coaxlink Quad CXP-12 JPEG |
| R-R-EUr-PC3622 | 3621 Coaxlink Mono CXP-12, 3621-LH Coaxlink Mono CXP-12 LH, 3622 Coaxlink Duo CXP-12, 3622-LH Coaxlink Duo CXP-12 LH |
| R-R-EUr-PC3623 | 3623 Coaxlink Quad CXP-12 Value |
| R-R-EUr-PC3624 | 3624 Coaxlink Quad CXP-12 DF |
| R-R-EUr-PC3625 | 3625 Coaxlink QSFP+ |
| R-R-EUr-PC1636 | 1636 InterPC C2C-Link Adapter |
| R-R-EUr-PC3612 | 3610 HD26F I/O Extension Module - TTL-RS422, 3612 HD26F I/O Extension Module - TTL-CMOS5V-RS422 |
| R-R-EUr-PC3614 | 3614 HD26F I/O Extension Module - Standard I/O Set |
| R-R-EUr-PC3618 | 3618 HD26F I/O Extension Module - Fast I/O |



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".



This product is in conformity with the European Union 1907/2006 (REACH) regulation.



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 Card Slot Requirements

For optimal data transfer performance:

- **1628 Grablink Duo, 1630 Coaxlink Mono, 1631 Coaxlink Duo, 1632 Coaxlink Quad and 1637 Coaxlink Quad 3D-LLE** must be plugged into a x4, x8 or x16 PCI Express Gen 2 or Gen 3 card connector providing at least four active lanes.

- **1633 Coaxlink Quad G3, 1633-LH Coaxlink Quad G3 LH, 1635 Coaxlink Quad G3 DF, 3621 Coaxlink Mono CXP-12, 3621-LH Coaxlink Mono CXP-12 LH, 3622 Coaxlink Duo CXP-12 and 3622-LH Coaxlink Duo CXP-12 LH** must be plugged into a x4, x8 or x16 PCI Express Gen 3 card connector providing at least four active lanes.
- **3602 Coaxlink Octo, 3603 Coaxlink Quad CXP-12, 3603-4 Coaxlink Quad CXP-12, 3620 Coaxlink Quad CXP-12 JPEG, 3620-4 Coaxlink Quad CXP-12 JPEG, 3623 Coaxlink Quad CXP-12 Value and 3625 Coaxlink QSFP+** must be plugged into a x8 or x16 PCI Express Gen 3 card connector providing at least eight active lanes.

To guarantee reliable operation across the entire operating temperature range and longer lifetime, ensure an adequate cooling of the card:

- The cooling is improved by a higher air flow circulating around the board. This air flow is increased, for example, by using computer case fans.
- Avoid placing a card next to other heat dissipating boards.
- **1633-LH Coaxlink Quad G3 LH and 3621-LH Coaxlink Mono CXP-12 LH** require a minimum of 150 LFM (Linear Feet per Minute) across the surface of the board.
- **3622-LH Coaxlink Duo CXP-12 LH** requires a minimum of 250 LFM (Linear Feet per Minute) across the surface of the board.

4. PCI Express Card 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. Open the computer enclosure, according to the manufacturer instructions, to gain access to the PCI Express slots. Locate an available and adequate PCI Express slot.
5. Remove the blank bracket associated with this location. To achieve this, remove the securing screw and keep it aside for later use in the procedure. Keep the blank bracket in a known place for possible re-use.
6. Unwrap the card packing, take the board and carefully hold it. Avoid any contact of the board with unnecessary items, including your clothes.
7. Gently insert the card into the selected PCIe slot, taking care to push it down fully into the slot. If you experience some resistance, remove the board and repeat the operation. You should attempt to make a perfect board-to-slot mechanical alignment for best results. Ensure that the lower part of the bracket is inserted into the corresponding enclosure fastening.
8. Secure the board with the saved screw.
9. **Optional.** When the camera(s) is (are) powered through the CoaXPress cable or when the +12 V power output is required on any System I/O connector, connect a 12 V power source to the Auxiliary Power Input connector using a 6-pin PEG cable.
10. **Optional.** Establish the connections with the Internal GPIO connector(s) as required by the application.
11. **Optional.** When synchronized acquisition is required for cameras attached to different cards, establish the card-to-card link interconnections.
12. Close the computer enclosure according to the manufacturer instructions.

5. Low-Profile Bracket Installation

3621 Coaxlink Mono CXP-12, 3621-LH Coaxlink Mono CXP-12 LH, 3622 Coaxlink Duo CXP-12 and 3622-LH Coaxlink Duo CXP-12 LH. boards can also be installed in a low-profile computer. Therefore:

1. Remove the original standard-profile bracket by unscrewing the screw locks
2. Install the low-profile bracket and secure it on the board with the screw locks

6. 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](#).