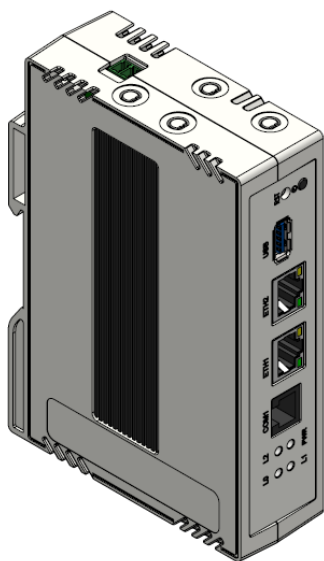




Modular link IQ-615 INSTALLATION, USE AND WARNINGS MANUAL

Edition: 07/2026

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1. Preliminary information

1.1 Device description

The **Modular link IQ-615** is a DIN Mount Industrial Gateway based on Qualcomm iQ-615 CPU; Fanless industrial PC with modular design and wireless connectivity for streamlined integration.

The technology developed by **SECO S.p.A.** can be used and applied in various fields.

1.2 Recipients

This manual is intended for ordinary people and installers (expert users).



IMPORTANT

The user must read this manual before start with any kind of operation.

1.3 Warranty

The warranty shall be **voided** in the event of:

- failure to comply with safety regulations;
- tampering with the device;
- changes to the safety conditions established by the Manufacturer in the device management software;
- improper use of the device;
- use of the device by untrained and/or unauthorized personnel or failure to respect duties, as indicated in the manual;
- changes or repairs carried out by the user without written authorization from the Manufacturer;
- partial or total failure to comply with the instructions;
- defects in the mains power supply (electricity, power supply, etc.);
- poor maintenance;
- use of non-original spare parts;
- exceptional events such as floods, fires (if not triggered by the device).

The complete warranty terms are set out in the sales contract.



IMPORTANT

The Manufacturer is not liable for improper use of the device.

2. Identification

2.1 Manufacturer identification

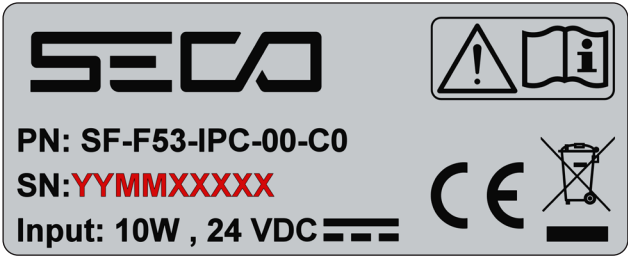
MANUFACTURER	SECO S.p.A
Address	Via Achille Grandi n°20 52100 Arezzo – Italy Tel: +39 0575 26979 Fax: +39 0575 350210

2.2 Device identification

Device	SF-F53-IPC-xx-xx
Serial number	YYMMXXXXX
Year of manufacturing	2026

2.3 Device identification plate

The device is equipped with an **identification plate** located on the side. The plate features the device identification information to be reported to **SECO S.p.A.** if necessary, as shown in the table:



CAUTION
It is strictly forbidden to remove the identification plate and/or replace it with other plates.

3. Technical specifications

3.1 Modular link IQ-615 device hardware specifications

The table below features the board hardware specifications:

Processor	Qualcomm iQ-615
Memory	4GB LPDDR4x 4266 MT/s
Mass Storage	Up to 32GB eMMC 5.1 drive soldered on-board
Networking	Up to 2x 10/100 Ethernet RJ45 connectors
USB	USB 3.1 Type-A connector
Serial Ports	1x RS-485 UART software configurable, on RJ11 connector 1x Debug UART on USB Type-B micro connector
Other Interfaces	Optional terminal block connectors with the following I/O: · JTAG 10 pin connector
Power	24V _{DC}
Operating System	SECO Clea O.S.
Dimensions	140 x 96 x 36 mm (5.5" x 3.8" x 1.4")
Mounting Options	· DIN rail mount
Operating Temperature	-40 ÷ +60°C*
Storage Temperature	-40 ÷ +60°C**



ATTENTION

*Measured at any point of the heatspreader/heatsink during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.

ATTENTION

** In case the transport conditions may exceed the temperature and time range indicated, corrective measures must be taken to avoid exposure of the device and its possible damage.

3.2 Software Specifications

The software version released on the website <https://www.seco.com/it/products>, which is always updated and available, even in later versions.

3.3 CE reference directives

The device has been designed according to the following Directives:

- **2014/30/EU** Electromagnetic Compatibility Directive.
- **2009/125/CE** Ecodesign
- **2012/19/EU** (WEEE)
- **2011/65/EU** (RoHS)

3.4 Product Documentation

SECO S.p.A. places the device on the market, equipping and providing it with:

- **CE marking as IT device**
- **UKCA**
- **Declaration of Conformity***
- **User manual*.**

*These documents are available after a request to the manufacturer.

4. Safety devices

4.1 Warnings

**CAUTION**

It is the user's responsibility to apply preventive and protective measures, in accordance with the legislation of the country of installation and use of the device.

**CAUTION**

Only use the accessories supplied by the manufacturer.

**CAUTION**

Only connect certified peripherals / devices to the device.

**CAUTION**

Always disconnect the electrical power supply before carrying out any work on the device.

**CAUTION**

Check that the electrical voltage meets the values indicated in this manual before connecting the device.

**CAUTION**

Disconnect the device from any power source before cleaning.

**CAUTION**

Do not use liquid detergents or sprays for cleaning the device.

**CAUTION**

Do not pour liquids of any kind on the device. This may cause fires and/or electric shocks.

**CAUTION**

Keep the device away from exposure to moisture values outside the admissible range indicated in this manual.

**CAUTION**

It is strictly forbidden to modify the appliance in order not to compromise the characteristics relating to the declared requirements.

**CAUTION**

No changes shall be made to the equipment without the manufacturer's permission as this may void the user's authority to operate the equipment.

4.2 Safety pictograms affixed on the device and used in the manual

The device and the manual are equipped with symbols, as indicated in the table below:

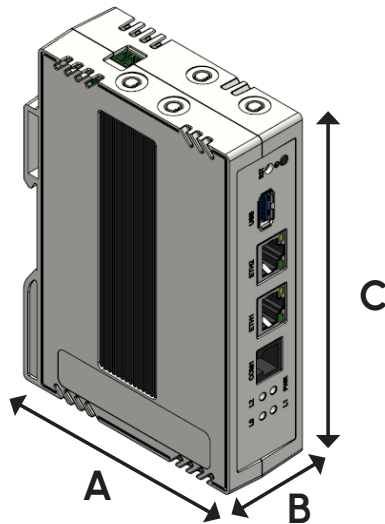
PICTOGRAM	DESCRIPTION
	CE marking
	RAEE Indicates the separate collection of electronic and electrical equipment according to Directive 2012/19/EU.
	Symbol used to indicate the need to consult the instruction manual before using the equipment.

5. Characteristics and components of the device

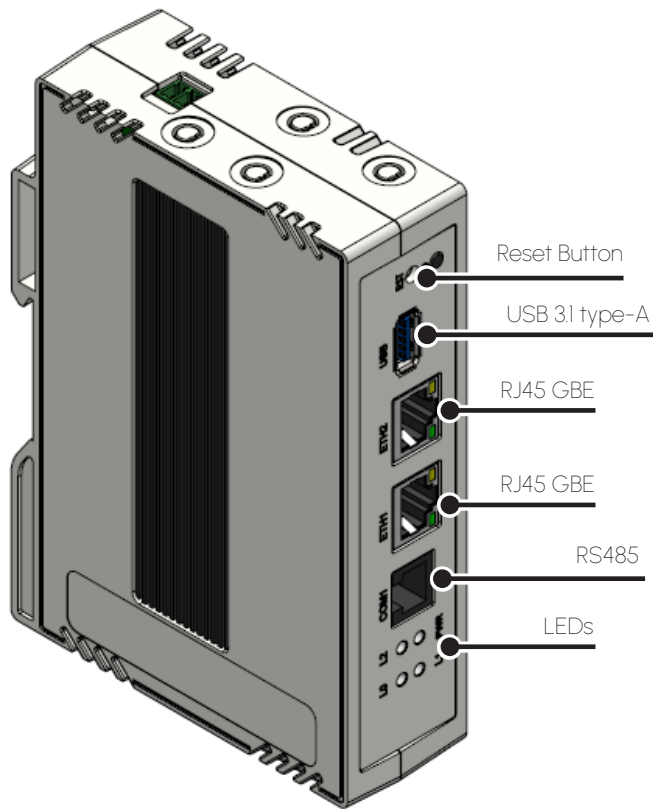
The **Modular link IQ-615** is a DIN Mount Industrial Gateway based on Qualcomm iQ-615 CPU; Fanless industrial PC with modular design and wireless connectivity for streamlined integration.

5.1 Measurement layout

Length (A)	99,3 mm
Width (B)	34,9 mm
Height (C)	141 mm



5.2 Components



6. Installation

6.1 Permitted environmental conditions

Use of the device and of associated control systems that differ from those listed below is **not** permitted.

In particular, the installation and operation environment must **not** be:

- Exposed to environmental temperatures exceeding -40 to $+60^{\circ}\text{C}$.
- Exposed to limit areas of 2,000 m.a.s.l.
- Exposed to excessive humidity and rapid changes in relative humidity (above 0.005 p.u./h).
- Exposed to corrosive fumes.
- Exposed to excessive dust.
- Exposed to abrasive dust.
- Exposed to oil vapours.
- Exposed to powder or gas explosive mixtures.
- Exposed to salt air.
- Exposed to vibrations, impacts or abnormal shocks.
- Exposed to weather conditions beyond the limits permitted or dripping.
- Exposed to unusual transport or storage conditions.
- Exposed to high or rapid thermal changes (above 5K/h).
- Used in presence of nuclear radiation.

The conductors of the command and control circuits directly connected to the supply voltage must be protected against overcurrents.

The conductors of the command and control circuits supplied by a transformer or by a DC supply must be protected against overcurrent.

In command and control circuits connected to a protective equipotential circuit, the requirement is satisfied by inserting a protective device against overcurrents in the isolated conductor.

CAUTION



Environmental conditions that differ from those specified may seriously damage the device. Positioning the device in environments that do not correspond to those indicated shall render the warranty null and void for the parts to be replaced.



SECO S.p.A. shall not be held liable if these instructions are not complied with.

6.2 Installing the device

CAUTION

The power supply must have this values:

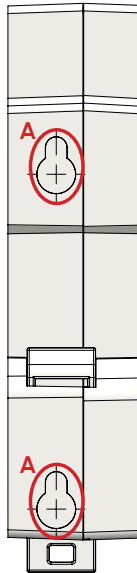
- Voltage: 24V_{DC}
- Current: 1,5 A max



SECO S.p.A. shall not be held liable if these instructions are not complied with.

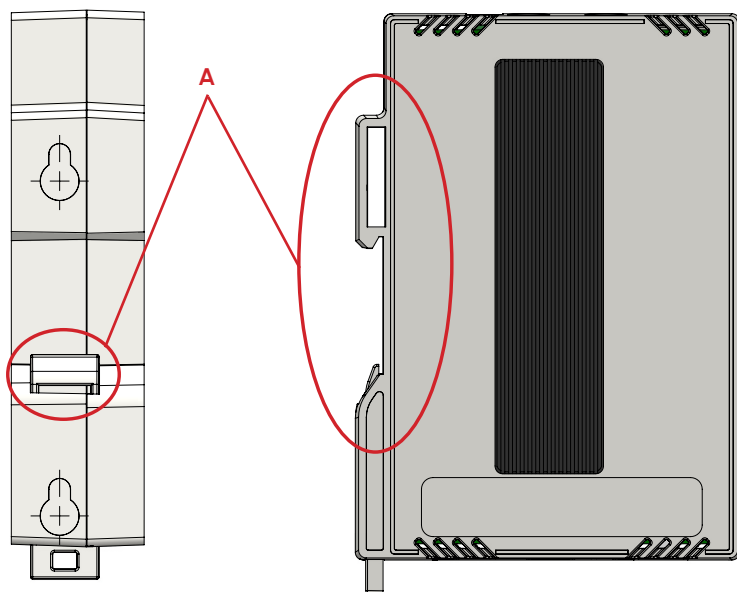
To install the device properly on **machine/wall/sheet/other support**, follow the procedure below:

- 1 Make sure the electric connection on the destination machine is off and the electric power supply is disconnected from the device;
- 2 Fix the device to the existing support using six M4x0.5mm flat head screws that will be screwed in matching the holes **(A)** in the plate;
NOTE: screws should be a minimum length of 4mm. Add 1mm of screw length for every mm of additional thickness of plate or bracket beyond 1.5mm.
- 3 Proceed to connect the electric supply to the device.
- 4 Proceed to electrically connect the destination machine.



To install the device properly on **machine/wall/sheet/other** with **DIN** support, follow the procedure below:

- 1 Make sure the electric connection on the destination machine is off and the electric power supply is disconnected from the device;
- 2 Proceed to fasten the device to the standard **DIN bar support (A)** pushing it until will be locked;
- 3 Proceed to connect the electric supply to the device.
- 4 Proceed to electrically connect the destination machine.



SECO S.p.A. shall not be held liable if these instructions are not complied with.

7. Maintenance

User should clean the product with a dry cloth when necessary, based on his visual inspection.



CAUTION

Disconnect the device from any power source before cleaning operation.



WARNING

The enclosure of the device must be cleaned only with a dry cloth.

After cleaning, the user should check that the product is still correctly installed.

8. Waste disposal



Electrical equipment no longer in use must not be thrown away with normal municipal waste. The substances and materials it contains must be disposed of separately in an appropriate manner.

The device must be disposed correctly as it is a waste of electric and electronic equipment (WEEE).

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