

SEGO®

A smart, hygienic decision

Sego®Connect Module Advanced

Installation and operation

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It is essential that you read the instructions for use and observe all safety information before commencing use.

1 Introduction

Disclaimer

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Our Support does not extend to connection to the device using hardware adapters or interface converters not supplied by Comcotec, e.g. the USB-RS232 or Bluetooth RS232 adapters. Secure communication cannot be guaranteed using these adapters/converters.

Contents of pack

- ▣ SegoConnect Module Advanced (Article 22823)
- ▣ Device pass

optional:

- ▣ Power supply (mains power adapter)
- ▣ RS232 cable
- ▣ RJ45 mains cable Cat. V
(the relevant cable is available as an accessory in various lengths)



Please only use the mains power adapters provided, as the device may otherwise be irreparably damaged.

2 Product features

The SegoConnect Module Advanced is a specially designed Serial-to-Network converter with the following special features:

- ▣ Particularly robust design, max. area load > 100 kg
- ▣ Protected against water and dust in accordance with IP 41
- ▣ Diagnosis using integrated web server
- ▣ Power over Ethernet (PoE) capability

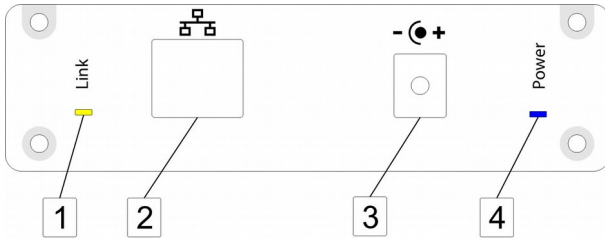
What does Power over Ethernet mean?

Power over Ethernet (PoE) is the capacity for direct power supply using the existing network infrastructure. When using PoE, no individual power supply is necessary for any devices supporting this standard, as the devices are fed directly through the network. The main advantages of this technology are that no mains connection is required near the device and that the number of feed lines required can be reduced to a minimum.

Please note that your existing network hardware must support PoE in order to be able to utilise this feature.

3 Description of the connections and displays

Connections and displays on the back



1| Link LED

This LED will flash yellow if data is being transferred via the network.

2| Ethernet connection

Connect the module to your network here. If your network has PoE functionality the module will be supplied with power via this connection.

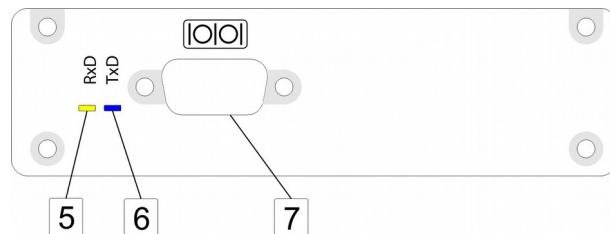
3| DC connector socket

If your network is not PoE-ready the module can optionally be provided with power using this socket.

4| Power LED

This LED will light up blue if the module is receiving an adequate power supply, either via the mains power adapter and DC connector socket or via PoE.

Connections and displays on the front



5| Receive LED

This LED flashes yellow if the module is receiving data via the serial interface from the device for which recordings are to be made.

6| Send LED

This LED flashes blue if the module is sending data via the serial interface to the device for which recordings are to be made.

7| Serial interface

This is where to connect to the module the device for which recordings are to be made. Use the original connecting cable for this purpose. The serial interface is galvanically separated, thus it is recommended one use cables whose shielding is severed on one side so as to prevent a galvanic connection of the shields via the housing.

4 Establishing the connection

The SegoConnect Module Advanced has a total of three connectors. Establishment of the connection between device and network takes place in three simple steps:

- Step 1:** Establish the network connection using the network cable (Connector 2). When the power LED lights up blue your network has PoE functionality and you do not need to carry out Step 3.
- Step 2:** Connect the serial interface (Connector 7) with the device for which recordings are to be made. For this purpose it is best, if possible, to switch off the device for which recordings are to be made.
- Step 3:** If your network is not PoE-ready (see Step 1), connect the module to the mains (Connector 3) using the mains power adapter provided. As soon as the module receives power the blue power LED will light up.

The configuration of the SegoConnect module in the network is done via UDP.

5 Web server

A web-browser interface is integrated into Sego Connect Module Advanced for diagnostic purposes. If you enter the IP address you have configured for the Connect Module in your web browser's address line you will see the integrated web server's start screen.

From there you can access various status and diagnosis pages. Clicking on Module Status, for example, you bring you to a page showing the module's current status.

SegoConnect Module Advanced Status

Status	Value
System	running
Firmware	SCM-MK2 Version 1.10
Runtime	00:12:38
MAC Address	00-30-56-90-7E-56
Network speed	100 MBit/s
ETH Mode	Full Duplex
Connection	192.168.10.160
Transfer RS232->TCP	0 Bytes
Last RS232 transfer	00:00:00
Transfer TCP->RS232	6 Bytes
Last TCP transfer	00:12:33
UDP Packets	0
Last UDP transfer	00:00:00

Fig.: Status page as displayed in the web browser

This diagnostic function can also be used by our technical support for remote recognition and removal of faults, if required and permissible. The module's current configuration and system-event list can also be shown using the web browser.

6 Annex: technical data

Specifications

Mass and weight:	Height	33mm
	Length	91mm
	Width	109mm
	Weight	220g

Power supply: 13-24V DC using DC connector socket



DC connector socket:
Hollow plug, diameter 5.5 mm external (-) and 2.1 mm internal (+)
or: 36-57 V using PoE (Class 3 according to IEEE 802.3af)

Power consumption: 160 mA at 15V

Ambient conditions: Temperatur: 0 - 45°C



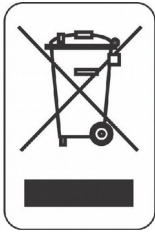
Only for use in closed, dry spaces

Network interface: 10MBit/100Mbit, half Duplex and full Duplex
autosensing, PoE (Power over Ethernet)

Serial interface: RS232 Standard (D-Sub male 9 pole), Data lines
Galvanically separated using optocouplers
Isolation voltage (optocoupler) 1.5 kV
Maximum 115200 baud

Sundry: The device is not suitable for operation in a medical network.

Information on disposal



This device must not be disposed of with unsorted domestic waste. Inappropriate disposal may have a harmful effect on the environment and health.

Please consult the information supplied by the authorities responsible for your location regarding the applicable return and collection procedures.