

Segosoft®

Miele Edition

Network Converter



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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

Comcotec does not guarantee that information provided in this document is up to date, complete or accurate nor does Comcotec take responsibility for its quality.

Liability claims against Comcotec relating to indirect or direct damage of a material or non-material nature and caused by usage or non-usage of the information offered or by usage of incorrect and incomplete information are generally excluded, except in the event of demonstrable intentional or gross negligence on the part of Comcotec.

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

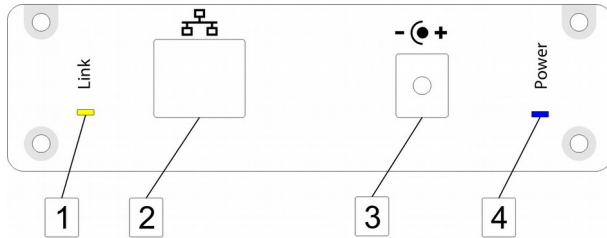
What does Power over Ethernet mean?

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.

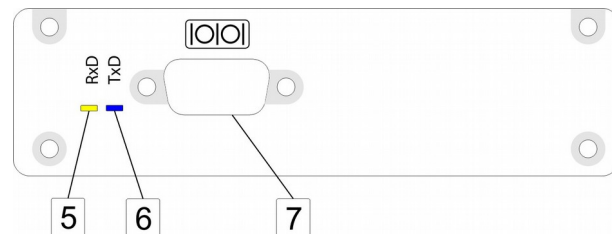
3| DC connector socket

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



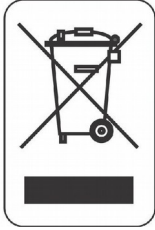
Only for use in closed, dry spaces

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

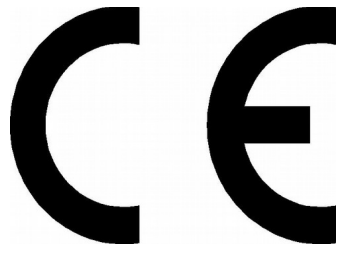
Sundry: The device is not suitable for operation in a medical network.

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.



EU Declaration of Conformity

Address: Comcotec Messtechnik GmbH
Gutenbergstraße 3
85716 Unterschleißheim

Product: Converter
Model: SegoConnect Module Advanced
TCP/IP Gateway / Isolated RS-232 (Type-No.: 23853)

The product is in compliance with the requirements of the following European directives:

2014/30/EU Electromagnetic Compatibility (EMC)
2014/35/EU Low Voltage Directive (LVD)
2011/65/EU Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

The compliance with the requirements of the European Directives was proved by the application of the following harmonized standards:

EMC: EN 55024: 2010-11
EN 55032: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013

LVD: EN 62368-1: 2014-08

RoHS: EN 50581:2012-09

The object of the declaration described above is in conformity with Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Unterschleißheim, 7. November 2017

Manfred Korn, Manager

Distributor

Miele & Cie. KG
Business Unit Professional
Carl-Miele-Straße 29
33332 Gütersloh
Germany
www.miele-professional.com

Sales contact:

Phone: +49 (0) 180 230 31 31*
email: info@miele-professional.com

Manufacturer

Comcotec Messtechnik GmbH
Gutenbergstraße 3
85716 Unterschleißheim b. München
Germany

Service contact:

Phone: +49 (0) 89 327 08 89-90
email: miele@segosoft.de

*0,06€ per call from a German fixed network, cell phone rates max. 0,42€

International Miele Sales contacts:

AUSTRALIA
Miele Australia Pty. Ltd.
1 Gilbert Park Drive
Knoxfield, VIC, 3180
Tel. +613 97 64 71 30
Telefax +613 97 64 71 49

AUSTRIA
Miele Gesellschaft mbH.
Mielestraße 1
5071 Wals/Salzburg
Tel. +43(0)50 800 420
Telefax +43(0)50 800-81 429

BELGIUM
N.V. Miele S.A.
z.5 Mollem 480
Hof te Bollebeeklaan 9
1730 Mollem
Tel. +32(0)2/451 14 11
Telefax +32(0)2/451 14 14

CANADA
Miele Limited
161 Four Valley Drive
Vaughan, ON L4K 4V8
Tel. +1 905 660-9936
Telefax +1 904 532-2290

CHINA MAINLAND
Miele (Shanghai) Trading Ltd
Beijing Branch
3F South Tower, Kerry Center
1 Guang Hua Road
Chaoyang District
100020 Beijing
Tel. +86 10 5783 2688
Telefax +86 10 5783 2600

DENMARK
Miele A/S
2600 Glostrup, Erhvervsvej 2
Tel. +45 43 27 11 00
Tel. Salg/Professional
+45 43 27 15 00
Tel. Jylland +45 97 12 70 66
Telefax hovednr.
+45 43 27 11 09

Telefax Salg/Professional
+45 43 27 15 09

FINLAND
Miele Oy
Porttikaari 6
01200 Vantaa
Tel. +3589 87 59 70
Telefax +3589 87 59 72 99

FRANCE
Miele S.A.S.
9 avenue Albert Einstein
93151-Le Blanc-Mesnil
(Paris)
Tel. +33(0)1/49 39 34 44
Telefax +33(0)1/49 39 44 38

GERMANY
Miele & Cie. KG
Carl-Miele-Straße 29
33332 Gütersloh
Tel. 0 180 220 21 21 (6 ct)*
Telefax 0 800 225 57 55
*Only in Germany

GREAT BRITAIN
Miele Co. Ltd.
Fairacres
Marcham Road, Abingdon
Oxon OX14 1TW
Tel. +44 (0)1235 554455
Telefax +44 (0)1235 554477

HONG KONG, CHINA
Miele (Hong Kong) Ltd.
41/F – 4101, Manhattan
Place
23 Wang Tai Road, Kowloon
Tel. +852/2610 1331
Telefax +852/2610 1013

IRELAND
Miele Irland Ltd.
2024 Bianconi Avenue
Citywest Business Campus
Dublin 24
Tel. +3531 461 07 10
Telefax +3531 461 07-97

ITALY
Miele Italia S.r.l.
Strada di Circonvallazione,
27
39057 S. Michele-Appiano
(BZ)
Tel. +39 04 71/66 61 11
Telefax +39 04 71/66 63 50

JAPAN
Miele Japan Corp.
E Space Tower 11F
3-6 Maruyamacho
Shibuya-ku Tokyo
150-0044 Japan
Tel. +81(3)5784-0030
Telefax +81(3)5784-0035

KOREA
Miele Korea Limited
Miele Haus 8 fl.,
607-10 Yeoksam-dong
Gangnam-gu
Seoul 135-080
Tel. +82 2 3451 9353
Telefax +82 2 3451 9399

LUXEMBOURG
Miele s.à r.l.
20, Rue Christophe Plantin
2339 Luxembourg
Tel. +352/4 97 11-25
Telefax +352/4 97 11-39

NETHERLANDS
Miele Nederland B.V.
De Limiet 2
4131 NR Vianen
Tel. +31(0)3 47/37 88 83
Telefax +31(0)3 47/37 84 29

NEW ZEALAND
Miele New Zealand Ltd.
Unit L, 10-20 Sylvia Park
Road
Mt. Wellington, 1060 Auckland
Tel. +64 9573 1269
Telefax +64 9573 1268

NORWAY
Miele AS
Løxaveien 13
1351 Rud
Tel. +47/67 17 31 00
Telefax +47/67 17 31 10

PORTUGAL
Miele Portuguesa, Lda.
Av. Do Forte, 5
2790-073 Carnaxide
Tel. 351/21/42 48-100
Telefax +351/21/42 48-109

RUSSIA
000 Miele CIS
Leningradsky Prospekt, 39A
125167 Moscow
Tel. +7 495 745-8992
Telefax +7 495 745-8680

SOUTH AFRICA
Miele (Pty) Ltd.
63 Peter Place
Bryanston 2194
Tel. +27(0)11/5 48-19 00
Telefax +27(0)11/5 48-19 35

SPAIN
Miele S.A.U.
Carretera de Fuencarral, 20
28108 Alcobendas (Madrid)
Tel. +34/91/6 23 20 00
Telefax +34/91/6 62 02 66

SWEDEN
Miele AB
Industrivägen 20
Box 1397
171 27 Solna
Tel. +46(0)8/5 62 29-000
Telefax +46(0)8/5 62 29-209

SWITZERLAND
Miele AG
Limmatstr. 4
8957 Spreitenbach
Tel. +41(0)56/4 17 20 00
Telefax +41(0)56/4 17-24 69

UNITED ARAB EMIRATES
Miele Appliances Ltd.
Gold & Diamond Park
Sheikh Zayed Road
Building No. 6,
Offices No. 219
Dubai
Tel. +971 4 3418444
Telefax +971 4 3418852

USA
Miele, Inc.
9 Independence Way
Princeton, NJ 08540
Tel. 001-800/843 72 31
Telefax 001-609/419 42 41

For further international contacts, please have a look at: www.miele-professional.com