Operating and mounting instructions
ComBridge NCI
Order. Nr.: 3622-141-0B

General Usage

The device is based on the KNXnet/IP standard and it is able to connect different KNX lines via IP. The physical connection to the KNX line is done via a standard bus connector terminal block. The IP network is connected via RJ45 connector (100BaseT). The device requires an additional safety low voltage 24V DC, which has to be connected to the second terminal block.

The ComBridge Net Communication Interface (NCI) supports up to 5 tunnel connections in order to connect other clients, e.g. ETS or visualisation tools (ComBridge Evolution).

The IP Address can be adjusted fix or it can be received from a DHCP server in the network automatically. Default setting on delivery is DHCP.

Device types and accessories

The following device types from this product group are currently available:

Product	Description	Order-Nr.:
ComBridge NCI	IP-Interface	3622-141-0B

Scope of delivery

The scope of delivery of a ComBridge NCI includes the following individual components:

- Complete device with connected bus connector
- Operating and mounting instructions
- Delivery in break-proof individual packaging

Application programs

The following application programs are currently available:

- 3622-NetInterface-01-0212

Installation advice

⚠ ⚡ Danger to life from electric current.

- The device is intended for interior installation in dry rooms.
- The device must only be installed and commissioned by an accredited electrical engineer.
- Please follow country-specific safety and accident prevention rules as well as all current KNX guidelines.
- During the installation the device must be switched off.
- Do not open the device.
- Faulty device must be returned to the manufacturer with a return delivery note.

Technical Specifications

CONNECTING DATA		
Power Supply	Supply Voltage: Consumption: Additional:	21..30VDC 24V/40mA (approx. 1W) via KNX Bus
Connectors	KNX: (black/red), TP Supply: Ethernet:	0,6…0,8mm solid Connector (white/yellow) RJ45 Connector-100 Mbit
GENERAL DATA		
Control and display elements	Programming button: LED, red PWR-LED, green KNX-LED, yellow ETH-LED, yellow	To assign the physical address. Displays addressing mode Displays operation O.K. KNX Communication. Displays communication via Ethernet.
Mechanical data	REG housing 2TE: Width: Height: Length: Weight: Mounting:	Plastic ABS – V0 36 mm 58 mm 90 mm 83 g 35mm DIN rail
Electrical safety	Pollution class: Protection type:* Protection class:** Overvoltage category: KNX Bus:	2 IP20 III III SELV DC 30V
EMC requirements	Complies with:	EMC directive 2014/30/EU
Environmental conditions	Weather resistance: Environmental con- ditions in operation: Storage temperature: Transportation temperature: Rel. humidity: (non condensing)	EN 50090-2-2 -5°C to +45°C -25°C to +55°C -25°C to +70°C 5 % to 93 %
Approbation and CE-Signage	KNX registered: According to EMC-Guidelines:	Yes (Residential and commercial buildings), Low Voltage guidelines.

* (according to EN 60529); ** (according to IEC 1140)

Location and function of the display and control elements

The connectors for KNX bus, 24V supply as well as the Ethernet RJ45 connector are only accessible in the distribution box when the cover is removed.

A1: 24VDC bus connector terminal (yellow-white)
A2: KNX bus connector terminal (black-red)
A3: KNX programming button
A4: KNX programming LED, red
A5: Ethernet RJ45 socket
A6: PWR Operation LED, green
A7: KNX Communication LED, yellow
A8: ETH Ethernet Link + Communication LED, yellow