Enertex® ENA²

Secure remote access for your SmartHome

The perfect protection of your KNX installation and your LAN.

1. Secure Remote Access
2. Protected Network
3. KNX Telegramlogger



The Enertex® ENA² provides secure remote access for your mobile devices or remote management of your installation, and protects your building network against fraudulent access by local network devices.

Additionally, the ENA stores all telegrams in an integrated database.

The configuration is optimized for the needs of your SmartHome, without any security tradeoff, ensured by recent security techniques and well-tested VPN software.

NEW **KNX Data Secure for sending and recording encrypted group communication. Encryption errors are logged for analysis. The integrated KNX time server sends the date and time to the KNX bus.**

Quality made in Germany

enertexbayern gmbh
simulation entwicklung consulting

enertex® ENA² Elektronische Netzabwehr

- Secure remote access for your local network – Cloud-free, end-to-end encrypted connection between mobile device and Enertex® ENA²
- Forward remote access via the Enertex® relay server to connect to your local network, works with any internet provider (IPv4, IPv6, DS-Lite), no local router configuration required (optional)
- Guided browser-based configuration on device
- Easy-to-use user management
- Free DynDNS service
- Recent security standards and well-known and trusted VPN software
- NEW KNX Data Secure for sending and storing encrypted group communication
- NEW KNX timeserver
- **Integrated OpenVPN server**
  - Restrict user access
  - Controllable via KNX
  - Free client software for common operating systems (Windows, Linux, macOS, Android, iOS)
  - VPN "on demand": automatically connect to your network (iOS-only)
- **"Protected Network"**
  - Separate physical Ethernet interfaces (10/100 Mbit/s) for your main and protected networks
  - Control forwarding and filtering
  - Firewall and DHCP server
- **KNX Telegramlogger**
  - Records all KNX telegrams in internal database (~ 100.000.000 telegrams, depending on data type)
  - Import ETS project for data type, topology and device information
  - Easy to query and analyze telegrams on Enertex® ENA² web server
  - Display time-value charts, e.g. per hour, per day
  - Helps to identify configuration errors, e.g., read requests without response
- DIN rail mount (4 modules)
- Powered by an integrated bus interface
- Power consumption 1.8 W (typical workload)

Enertex® EibPC² and Enertex® KNX Dual PowerSupply 1280 – the optimal supplement for your KNX installation.



*Errors and technical changes reserved.
Figures and photos may vary.

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Features

1. Remote Access

The Enertex® ENA² is no cloud device, but leaves the control to whom it belongs: You!

CLOUDFREE

Enertex® offers a free relay server (optional). If used, changing the internet router configuration is not required and remote access works independently of your local internet provider's configuration (IPv4, IPv6, DS-Lite).

Your end-to-end encrypted data is only forwarded by the server, without any risk for your privacy. User permissions to open a remote connection can be controlled with KNX group telegrams.

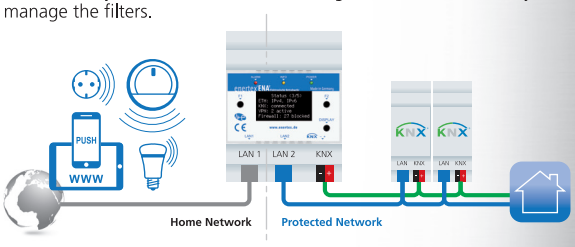
2. Protected Network

Connected vacuum cleaners make the "Protected Network" inevitable to protect your KNX IP devices.

The device has two physically separated ethernet interfaces. Your existing LAN on the first interface is typically managed by your internet router, and connects your computers, Smartphones, and IoT devices. On the second interface, the Enertex® ENA² manages the "Protected Network" for your KNX IP devices.

The separation prevents any other device from accessing the building infrastructure without permission.

With the easy-to-use browser-based configuration on the device, you manage the filters.

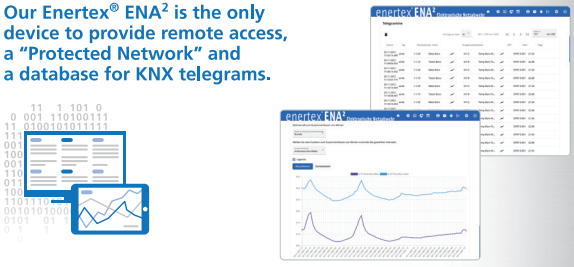


3. KNX Telegramlogger

To understand what happened when and why, the Enertex® ENA² stores all telegrams (~ 100.000.000 telegrams, depending on data type). The database can be exported for the ETS or analyzed directly on the device.

Generate time-value-charts or find typical configurations errors with a few "clicks", e.g., read requests without or with multiple responses.

Our Enertex® ENA² is the only device to provide remote access, a "Protected Network" and a database for KNX telegrams.



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