Specification

At every user access, ekey® CONVERTER UDP automatically sends a packet to the network receiver via UDP.
This packet can interpret a receiver and establish an event adapter from this packet.

Functions

- Send access data just after it occurred to a defined IP address via UDP
- Send any access attempt by an unauthorized person to a defined IP address
- Access data: module ID, user ID, username, finger ID, relay ID

Characteristics

- Connection to an ekey® TOCAhome (all variants) with clamp 1, 2 from outside unit version 3.9.1.31 (February 2007)
- LAN connection – Ethernet 10 base-T or 100 base-TX (autosensing)

Possible applications

- EIB/KNX Connection
- Server control
- Time recording control
- Vending machine
- Home automation
- Network applications based on fingerprint recognition
- Machine activation

Requirements

- ekey TOCAhome (all variants)
- Receiver of the UDP messages (network-based device)
- UDP message blocks interpretation by the receiver

Scope of delivery item number 100460

- ekey CONVERTER UDP hardware
- Power supply 220V AC – 9V AC
- Configuration software (on CD)
- UDP sniffer software for test (on CD)

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Illustration ekey® CONVERTER UDP

UDP Packet configuration

```
typedef struct {
    unsigned long nAddr;      // address of module addr = (((yy*53+ww)<<16) + ssss) | 0x70000000
                             // serialno of module:800xxxwwyyssss
    unsigned char nType;      // 0 -> no enter, 2 -> enter
    unsigned char nUserID;    // userid from ekey TOCAhome pc
    unsigned char nFinger;    // fingerid from ekey TOCAhome pc
    unsigned char nRelay;     // relay from ekey TOCAhome pc
    unsigned int sName;       // Name of user in unicode
} EKEYUDP, *PEKEYUDP;
```

Technical data

Description	Features
Power requirement	8-18V AC or 9-24V DC
Power consumption	~1W
Temperature range	0° to 70°C (32° to 158°F)
Interface	LAN/RS485 ekey® TOCAhome
LAN connection	10base-T or 100base-TX (auto-sensing)
RS485	Compatible with ekey® TOCAhome
RS485 cable length	Up to 1,000 m
Dimensions WxHxD	70mm x 45mm x 24 mm
Installation	Top hat rail according EN 50022 35mm