O8 KNX IP Interface +IoT

IP Interface between LAN , KNX bus,RS485 and 8 I/O

Data sheet

smart

Application area

KNXnet / IP Interface allows telegrams to be transmitted
Quickly between different lines over LAN (IP)
spine.
In addition, these devices are suitable for connection.
from a PC to the KNX network and from the Cloud to
the KNX network from PC, eg. For ETS programming.
IP address, static default IP or
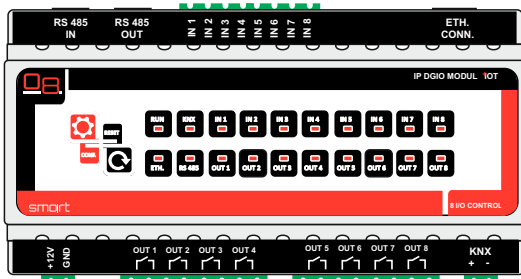manual configuration (Spadmin), respectively.

Figure 1 : Photo of device

This device works according to KNXnet / Ipspecification,
device management, tunneling andsection routing
using the kernel. Allows connection with local network
and Cloud. Connects to home control panel or
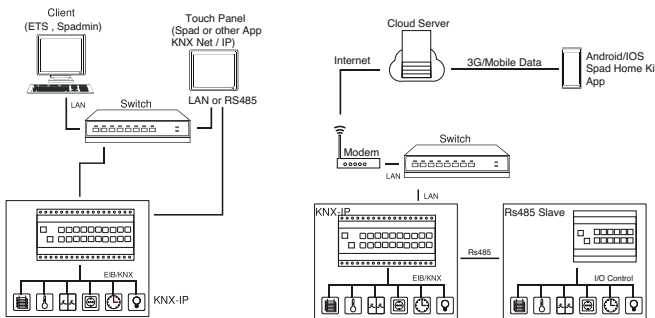MODBUS devices with Rs485 connection

Figure 2 : Typical application 1
(Local Network ETS and Touch Panel)

Figure 2 : Typical application 2
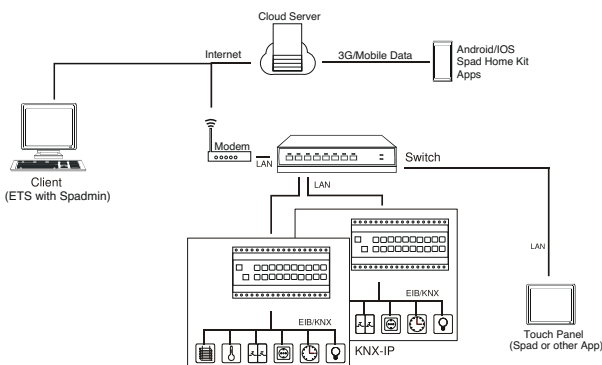**(Cloud connection, Spad HomeKit Apps)**

Figure 2 : Typical application 3
(Cloud connection, ETS with Spadmin support)

Technical data

Electrical safety
- •Protection (according to EN 60529): IP 20
- •Safety extra low voltage SELV DC 29 V

According to CE mark
- •Low voltage directive 2014/35 / EU
- •EMC directive 2014/30 / EU
- • RoHS directive 2011/65 / EU (RoHS2)
- •EN 50491-3: 2009, EN 50491-5-1: 2010
- •EN 50491-5-2: 2010, EN 50491-5-3: 2010
- •EN 61000-6-2: 2005
- •EN 61000-6-3: 2007 + A1: 2011
- •EN 50581: 2012 (RoHS2)
- * CE declaration can be requested from info@smartcozum.com.

Environmental Requirements
- • Ambient temperature. operating: - 5 ... + 45 ° C
- • Ambient temperature. non op: - 25 ... + 70 ° C
- • Rel. humidity (non-condensing): 5%… 93%

Mechanical Data
- •Housing: Plastic
- •DIN rail mounted device, width: 10 units
- •Dimensions : 91 x 157,4 x 57,4 mm
- •Approximate weight. 400 grams

Operational controls
- •Learning button for configuration
- •Reset Button

Indicators
- •Running LED (Red)
- •Signal LED (Red) for KNX
- •Signal LED (Red) for LAN
- •Signal LED (Red) for Rs485
- •8 Inputs LED (Red) for Inputs
- •8 Outputs LED (Red) for Outputs

Ethernet
- •100BaseT (100Mbit / s)
- •Supported internet protocols ARP, ICMP,
  IGMP, UDP / IP, TCP / IP, DHCP , HTTP ,
  HTTPS , DNS , MDNS , MODBUS ,
  Up to 4 KNXnet / IP Tunneling simultaneously.

Power
- •External supply 9-36 V DC
- •Power consumption: <1000 mW

Connectors
- •Screw connector for KNX
- •LAN RJ-45 socket
- •Screw connector for power supply
- •RS485 RJ-45 socket

Inputs
- •Isolations 8 Inputs
- •Input Current 50mA

Outputs
- •Relay control 8 Outputs
- •16A Max Current Relay
- •Relay Inrush Current 80A

KNX