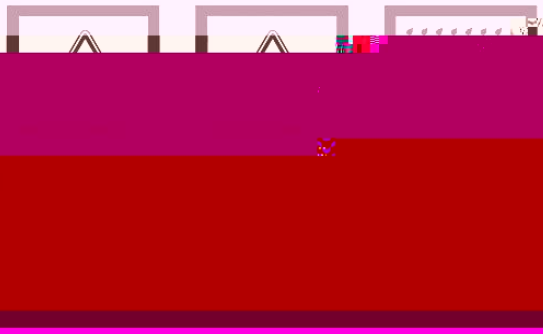
K-BUS

LAN
1C-87-76-80-00-00
GVS
BTIC-00/02.1
LAN
KNX
K-BUS
Phys. Adr.
Prog.
KNX
21-30V DC

注意事项

1、请远离强磁场、高温、潮湿等环境；



3、不要使用湿布或具挥发性的试剂擦拭设备；

4、请勿自行拆卸本设备。

KNX-BACnet BACnet/IP BACnet

BACnet BACnet KNX

KNX BACnet

KNX-BACnet

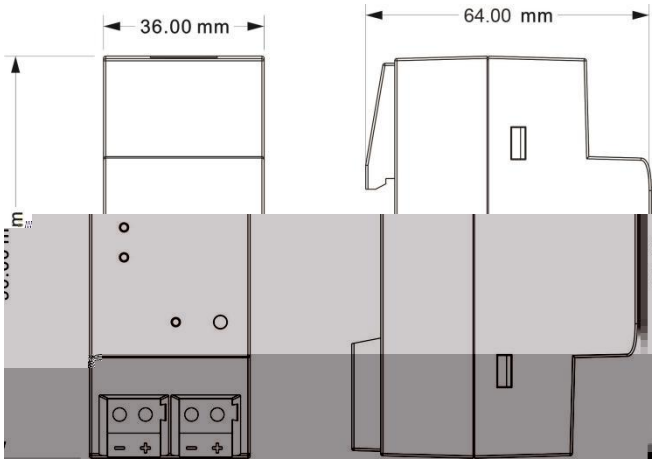
KNX-BACnet KNX

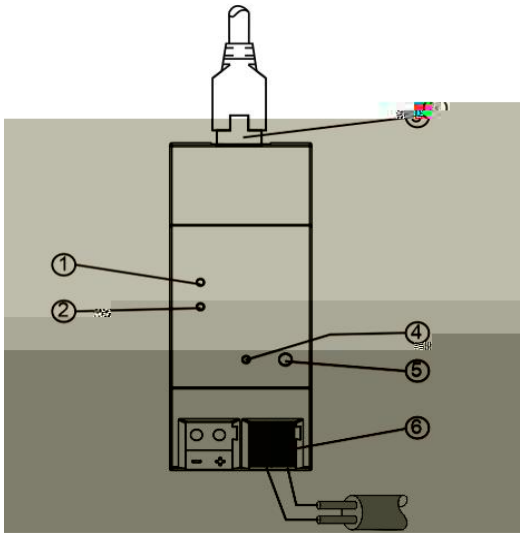
.knxprod ETS ETS5.7

- BACnet BACnet BACnet BACnet
- 256 BACnet

  1bit/2bit/1byte/2byte/4byte
- 8 ID
- 5 KNXnet/IP
- KNX (KNX Data Secure KNXnet/IP Secure)

	21-30V DC, KNX
	19.5mA/24V 15.5mA/30V 470mW
KNX	(/)
LAN	RJ45 10/100 Base-T
LAN LED	: :
KNX LED	: KNX :
LED	
	– 5 °C ... 45 °C
	– 25 °C ... 55 °C – 25 °C ... 70 °C
	<93%
	BACnet Stack SourceForge
	DIN 35mm
36 × 90 × 64mm/0.1kg	

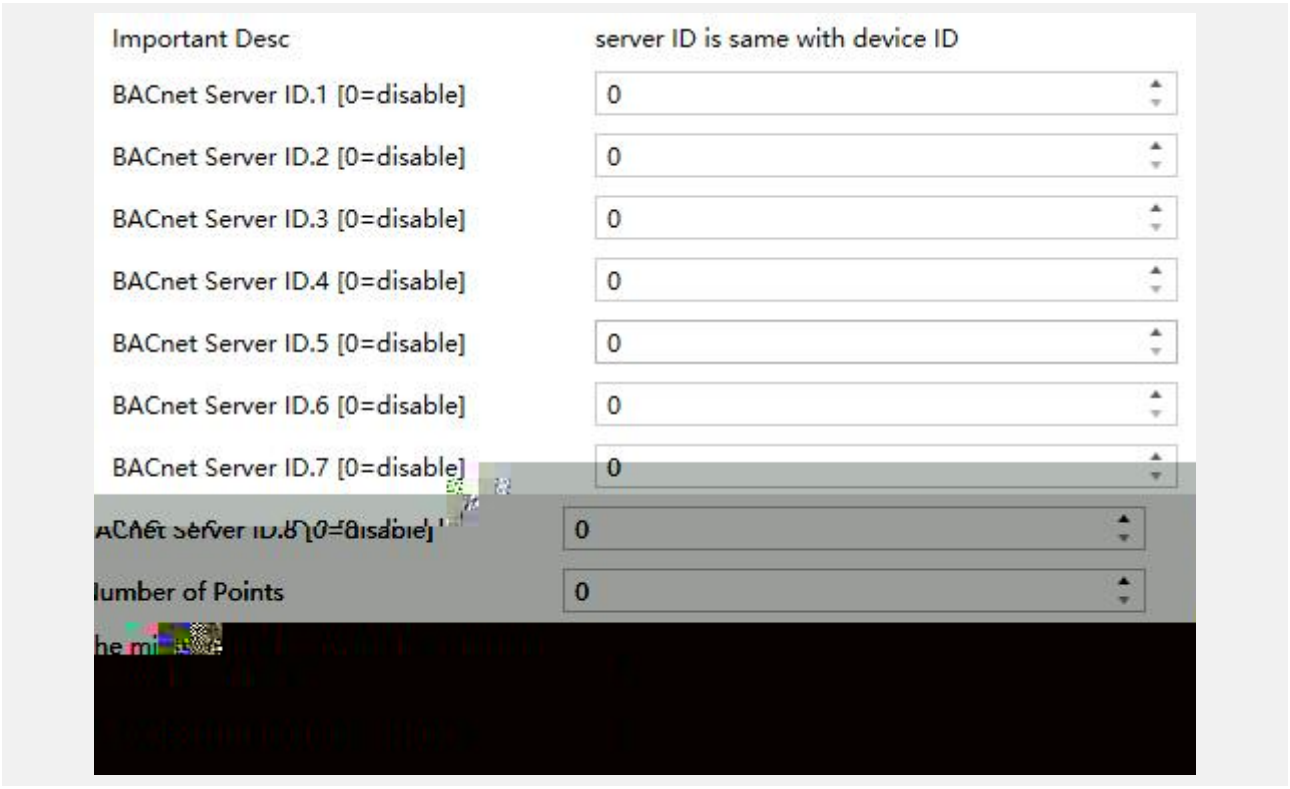




LAN LED □ LED

KNX LED

□ LAN □ KNX



5.1 “General”

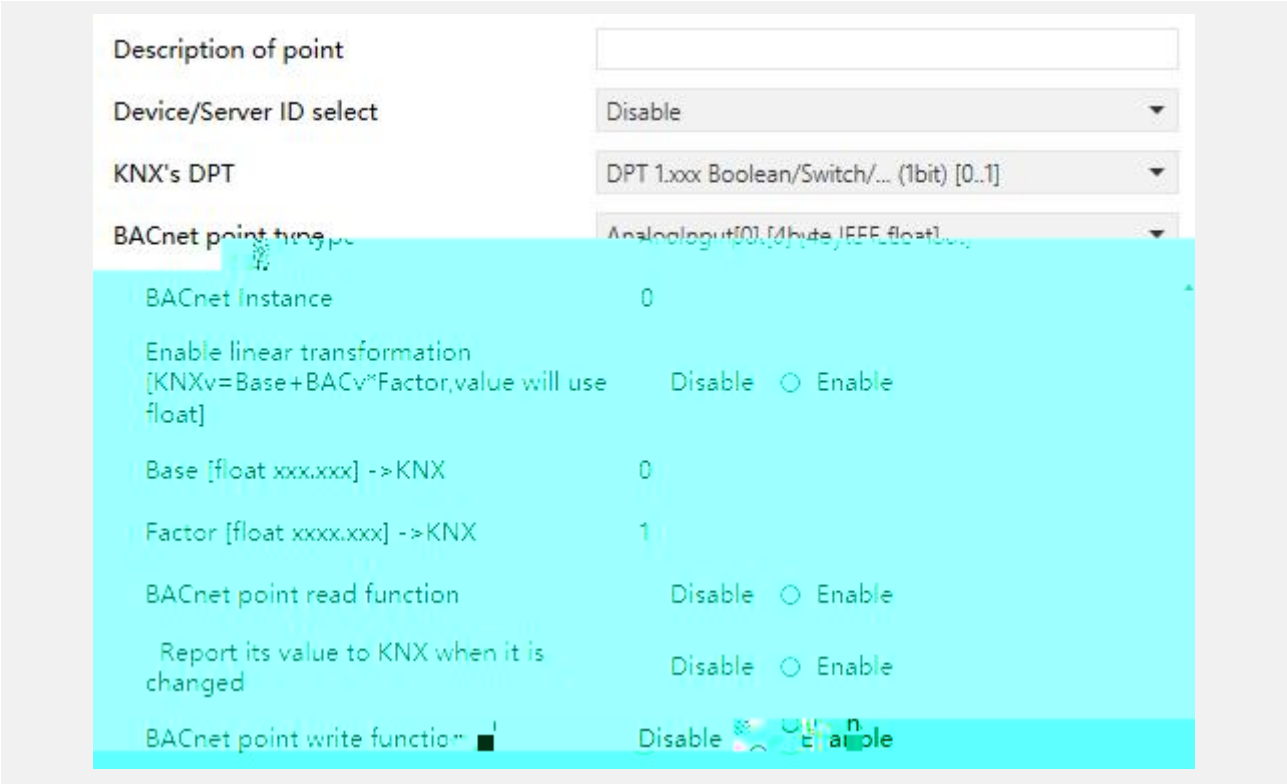
ID

x x ID 8 ID

0

BACnet

KNX/EIB KNX-BACnet



5.2 “BACnet point x”

14

ID

BACnet

BACnet

KNX = + BAC *

KNX

KNX

BACnet

KNX

À

KNX-BACnet 5 5.3

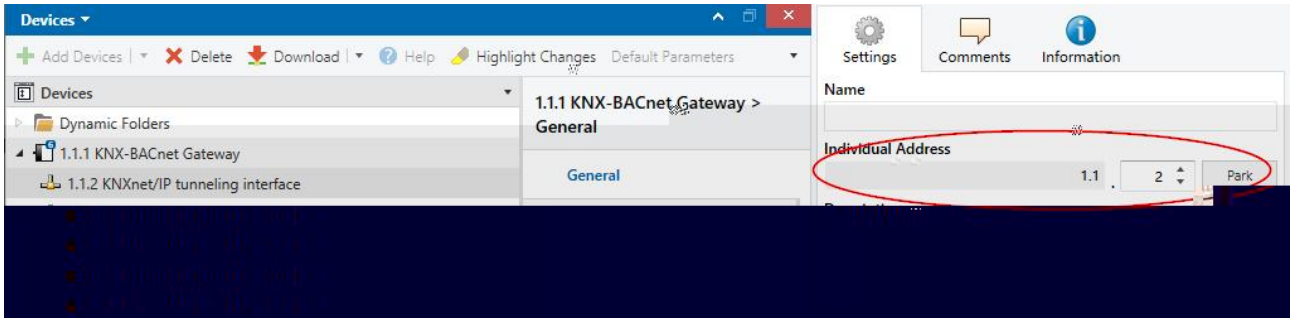
ETS Visualization APP (Smartphone) (Tablet) (Bus tool)

5.3

ETS5 5

“ Park ” 5.3.2

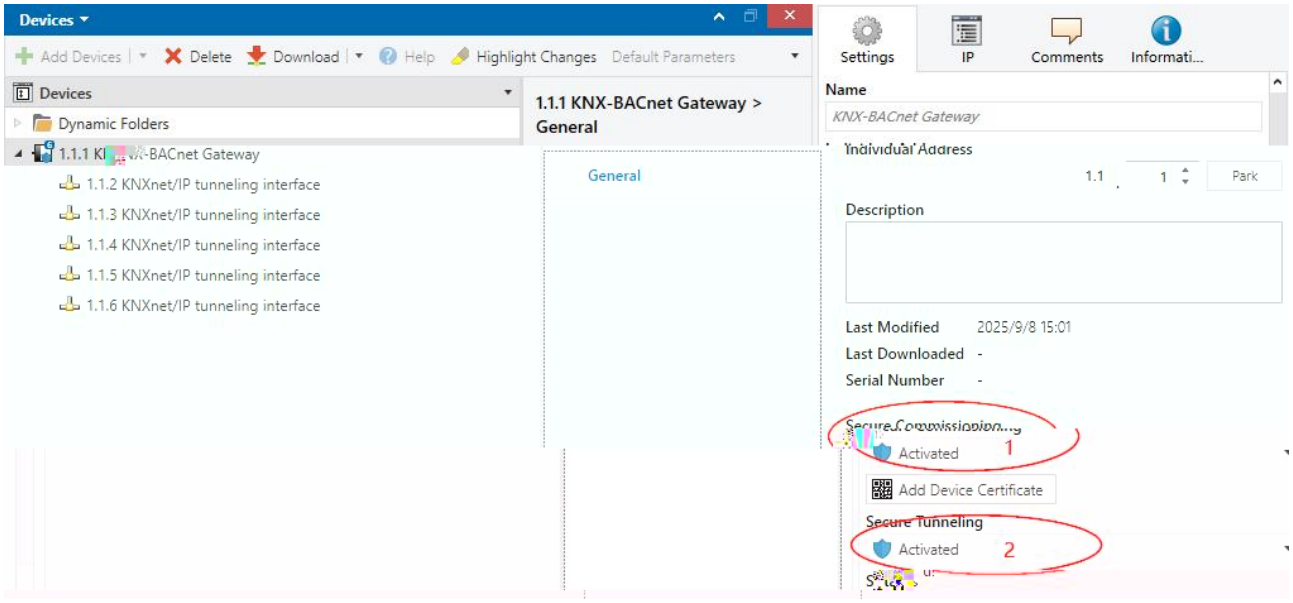
15.15.255 “ Park ” 15.15.255 15.15.255



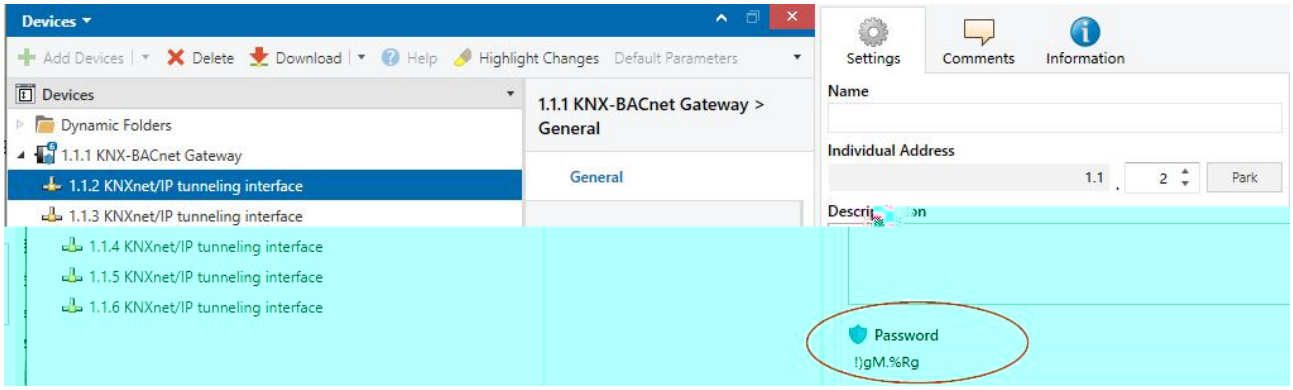
5.3.2

KNX “ Secure Commissioning ” “ Secure Tunneling ” 5.3.3 “ Secure Tunneling” ETS

5.3.4



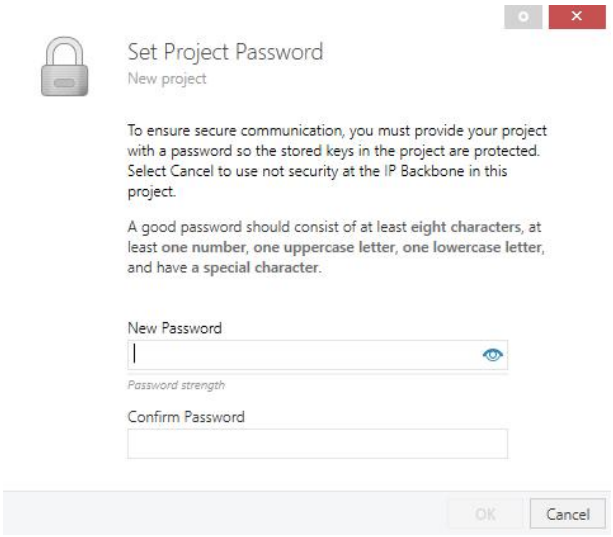
5.3.3



5.3.4

“ Secure Commissioning ”

5.3.5 “ Secure Commissioning ”


Set Project Password
New project
To ensure secure communication, you must provide your project with a password so the stored keys in the project are protected. Select Cancel to use not security at the IP Backbone in this project.
A good password should consist of at least eight characters, at least one number, one uppercase letter, one lowercase letter, and have a special character.
New Password
Password strength
Confirm Password
OK
Cancel

5.3.5

KNX-BACnet KNX KNX

(Tunneling)

ETS

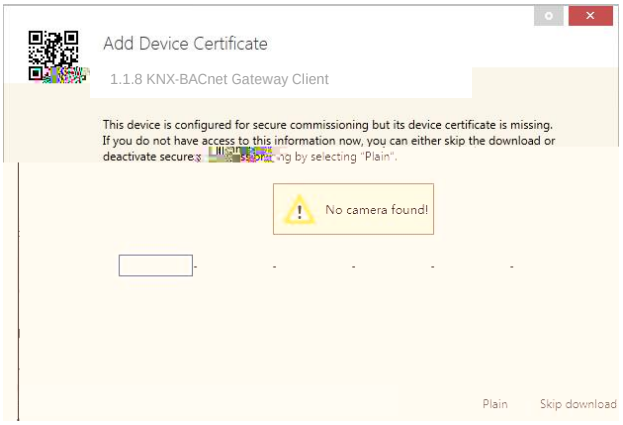
❖ KNX

❖ KNX FDSK =

ETS

✧ ETS 5.4.1

QR



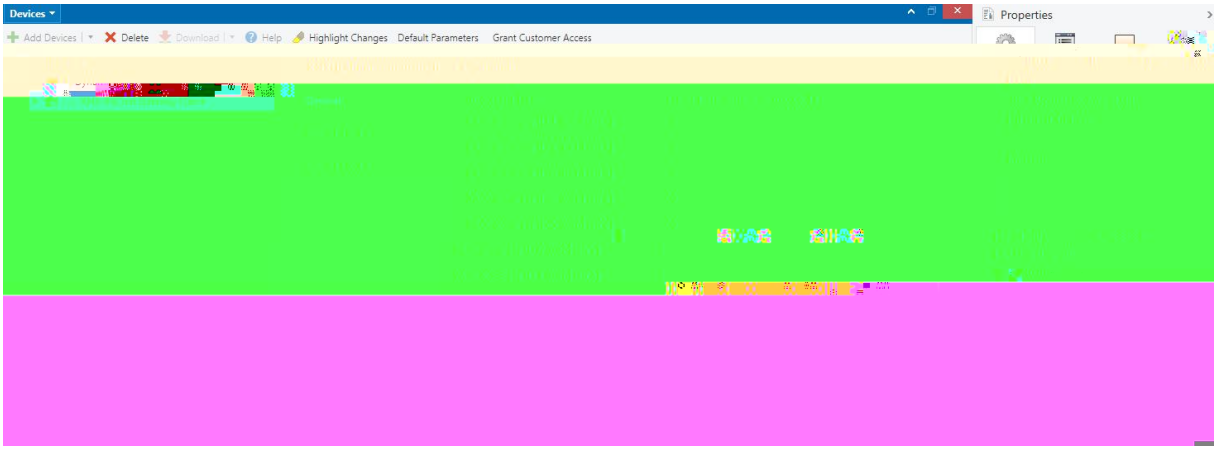
5.4.1 Add Device Certificate

✧ ETS

“Security” 5.4.2

“Add Device Certificate” 5.4.3

5.4.2 Add Device Certificate



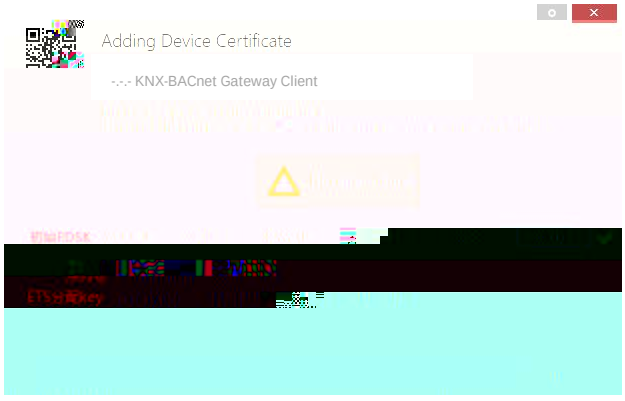
5.4.3 Add Device Certificate

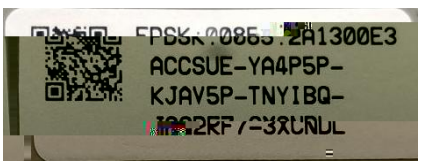
✧ FDSK

FDSK FDSK ETS 5.4.4

ETS

FDSK

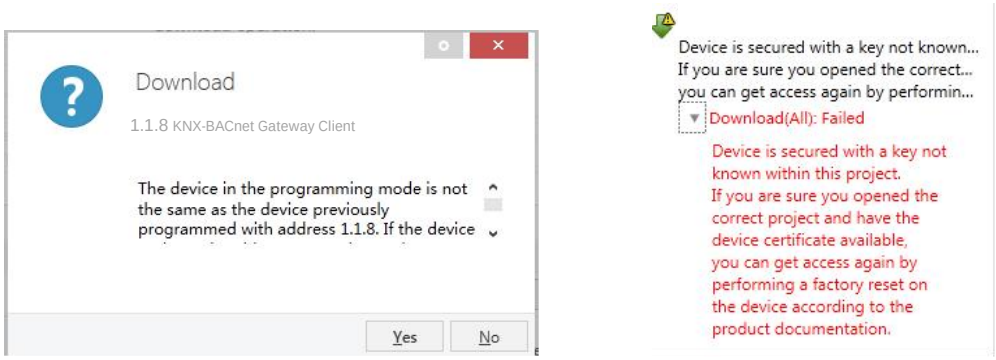




5.4.4

5.4.5 “Yes” “Add Device Certificate” FDSK

5.4.5



5.4.5

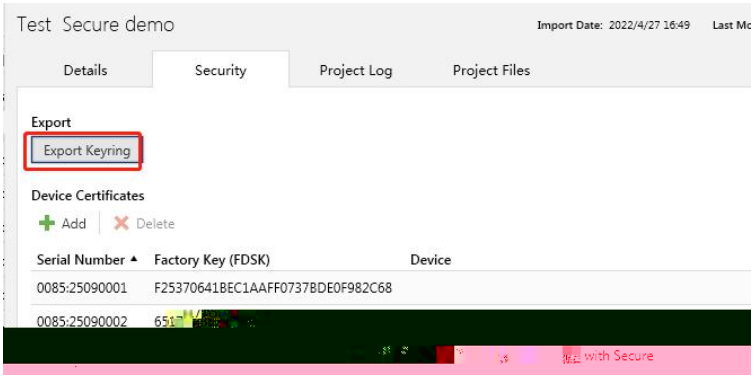
“Add Device Certificate”

5.4.6

ETS

5.4.7

.knxkeys



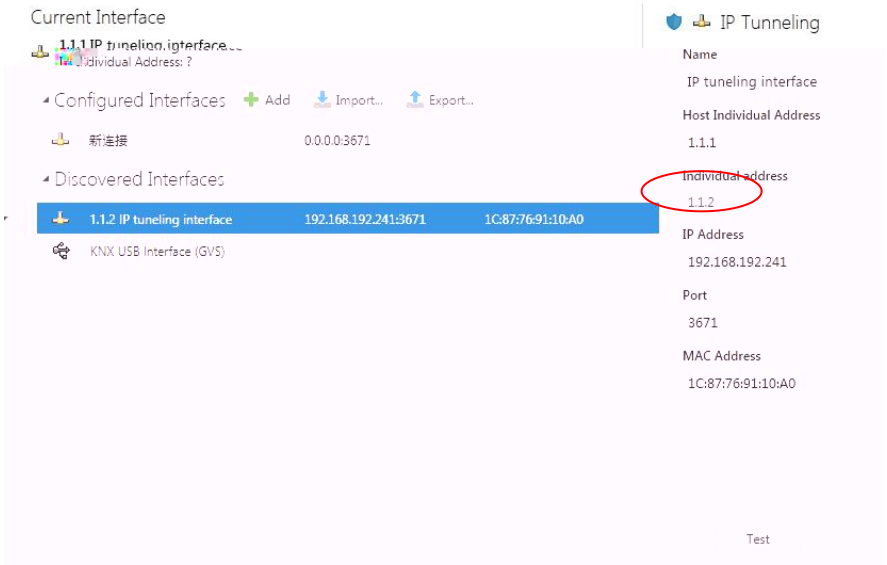
5.4.7

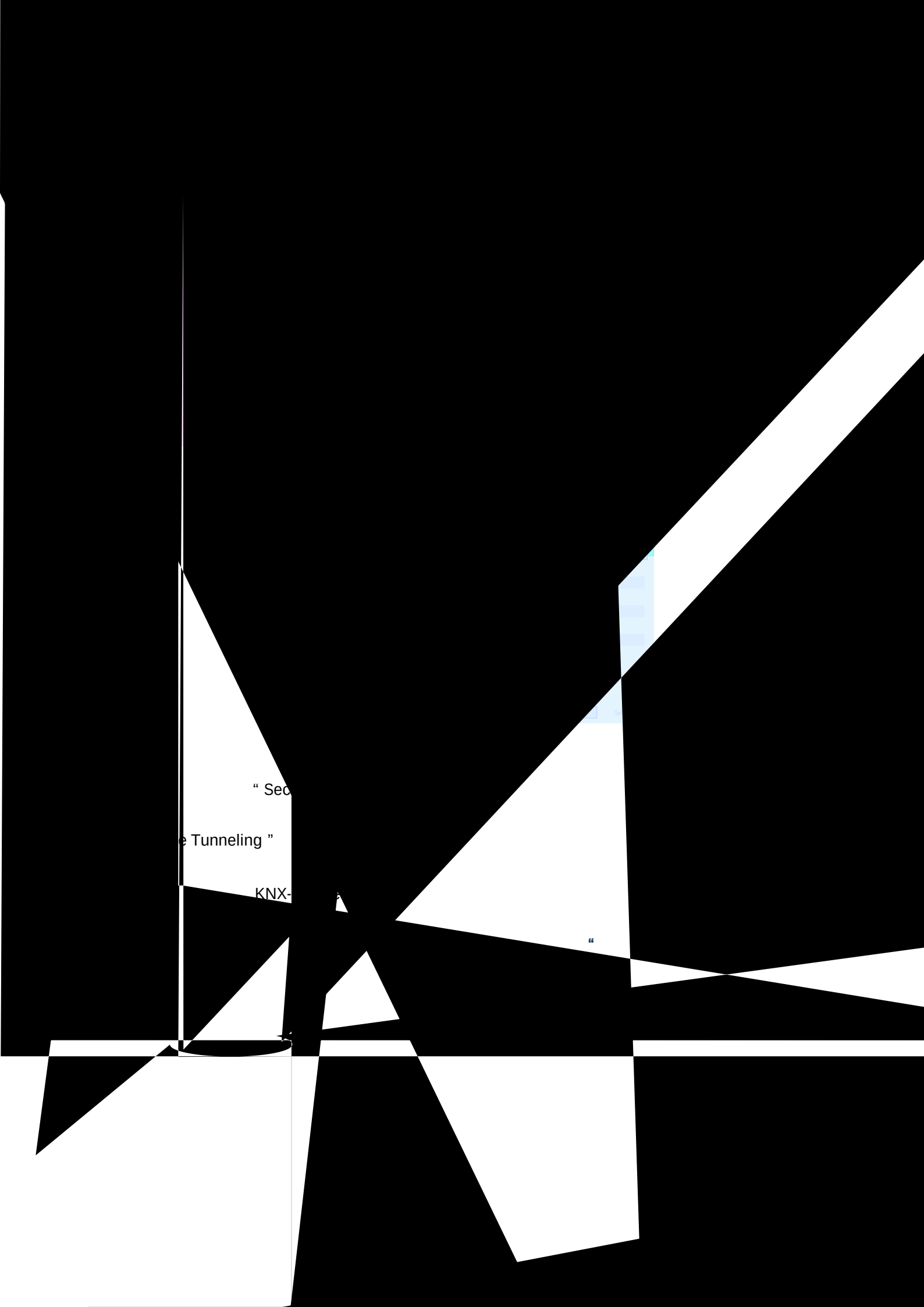
ETS IP

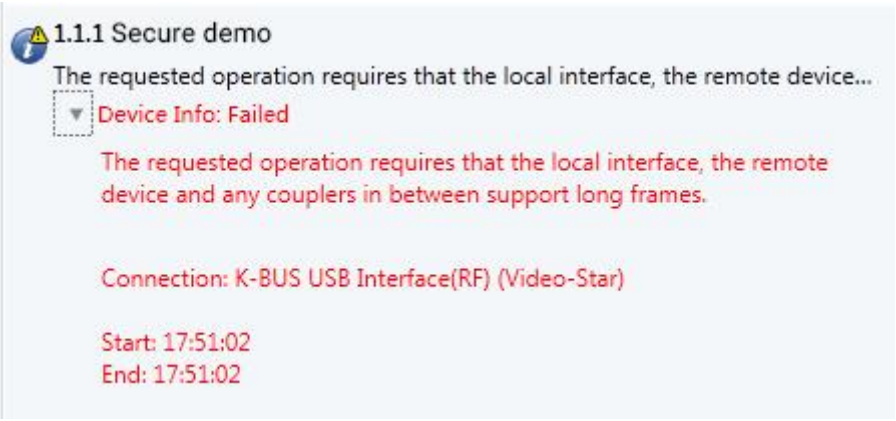
IP 1.1.2 Test

IP OK Test Ok

Select 5.4.8






1.1.1 Secure demo
The requested operation requires that the local interface, the remote device...
Device Info: Failed
The requested operation requires that the local interface, the remote device and any couplers in between support long frames.
Connection: K-BUS USB Interface(RF) (Video-Star)
Start: 17:51:02
End: 17:51:02

5.4.9

KNX ETS

ETS

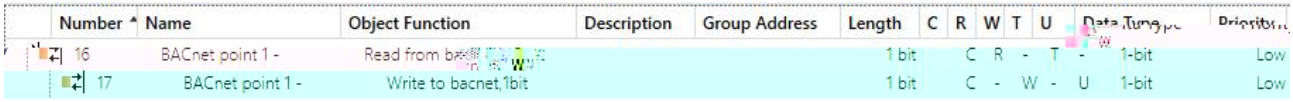
ETS

IP IP

(Tunneling)

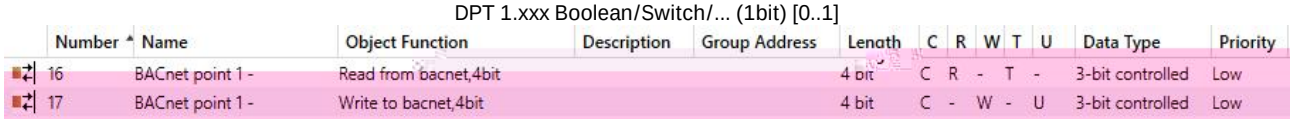
ETS FDSK

FDSK FDSK



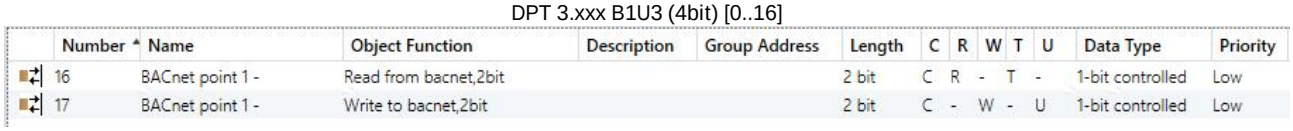
	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	16	BACnet point 1 -	Read from bacnet,1bit			1 bit	C	R	-	T	-	1-bit	Low
	17	BACnet point 1 -	Write to bacnet,1bit			1 bit	C	-	W	-	U	1-bit	Low

DPT 1.xxx Boolean/Switch/... (1bit) [0..1]



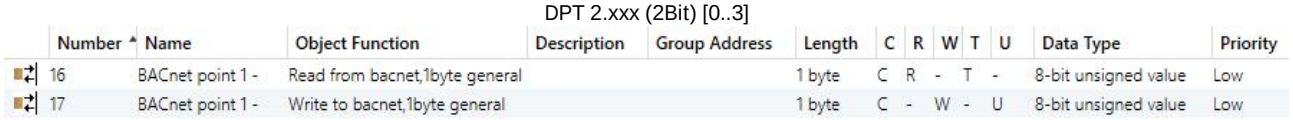
	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	16	BACnet point 1 -	Read from bacnet,4bit			4 bit	C	R	-	T	-	3-bit controlled	Low
	17	BACnet point 1 -	Write to bacnet,4bit			4 bit	C	-	W	-	U	3-bit controlled	Low

DPT 3.xxx B1U3 (4bit) [0..16]



	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	16	BACnet point 1 -	Read from bacnet,2bit			2 bit	C	R	-	T	-	1-bit controlled	Low
	17	BACnet point 1 -	Write to bacnet,2bit			2 bit	C	-	W	-	U	1-bit controlled	Low

DPT 2.xxx (2Bit) [0..3]



	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	16	BACnet point 1 -	Read from bacnet,1byte general			1 byte	C	R	-	T	-	8-bit unsigned value	Low
	17	BACnet point 1 -	Write to bacnet,1byte general			1 byte	C	-	W	-	U	8-bit unsigned value	Low

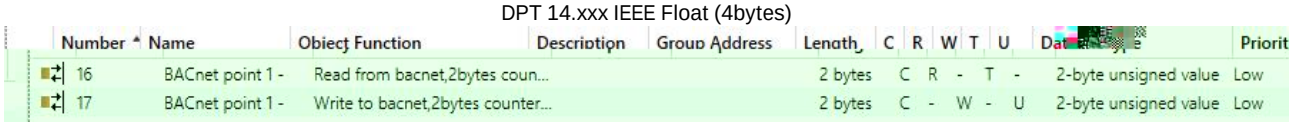
DPT 5.00x Scaling (1byte) [0..100]

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	16	BACnet point 1 -	Re[illegible]										

DPT 9.xxx Float Value (2bytes)

Number

DPT 14.xxx IEEE Float (4bytes)

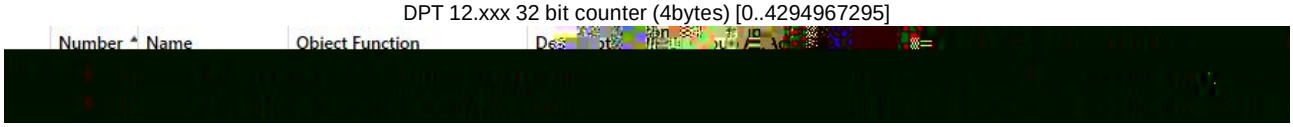


	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	16	BACnet point 1 -	Read from bacnet,2bytes coun...			2 bytes	C	R	-	T	-	2-byte unsigned value	Low
	17	BACnet point 1 -	Write to bacnet,2bytes counter...			2 bytes	C	-	W	-	U	2-byte unsigned value	Low

DPT 7.xxx 16 bit counter (2bytes) [0..65535]

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	16	BACnet point 1 -	Read from bacnet,4bytes coun...			4 bytes	C	R	-	T	-	4-byte unsigned value	Low
	17	BACnet point 1 -	Write to bacnet,4bytes counte...			4 bytes	C	-	W	-	U	4-byte unsigned value	Low

DPT 12.xxx 32 bit counter (4bytes) [0..4294967295]



Number	Name	Object Function

DPT 5.010 8 bit counter (1byte) [0..255]

	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
	16	BACnet point 1 -	[illegible]bacnet,1byte ascii			1 byte	C	R	-	T	-	character	Low

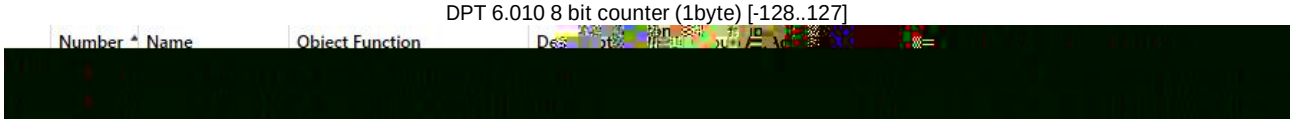
DPT 4.001 ASCII character (1byte) [0..255]

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
16	BACnet point 1 -	Read from bacnet,6bytes RGBW			6 bytes	C	R	-	T	-	Colour RGBW	Low
17	BACnet point 1 -	Write to bacnet,6bytes RGBW			6 bytes	C	-	W	-	U	Colour RGBW	Low

DPT 251.600 RGBW (6bytes) [0..255]*6

DPT 232.600 RGB (3bytes) [0..255]*3

DPT 6.010 8 bit counter (1byte) [-128..127]



DPT 8.xxx 16 bit counter (2bytes) [-32768..32767]

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
16	BACnet point 1 -	Read from bacnet,4bytes coun...			4 bytes	C	R	-	T	-	4-byte signed value	Low
17	BACnet point 1 -	Write to bacnet,4bytes counte...			4 bytes	C	-	W	-	U	4-byte signed value	Low

DPT 13.xxx 32 bit counter (4bytes) [-2147483648..2147483647]

6.1 “BACnet point x”

					DPT

BA KNX

“ Description of point ” “ BACnet point

1 - ”					
KNX BA					

6.1 “BACnet point x”

KNX-BACnet

	15.15.254
	15.15.241 15.15.242 15.15.243 15.15.244 15.15.245
	192.168.2.200 255.255.255.0 192.168.2.1

IP

4 4 3 LAN KNX

LAN KNX

FDSK 5.4 KNX