

Edgelinek 配置

1. 添加设备

☒ Enable

Name:

NewDevice

Device Type:

BACnet IP

☐ Device Model

Double Click to Select Device Template ...

Unit Number:


1


Tag Write Type:

Single Write

Description:

☒ Add device name as prefix to IO tags

 Bulk Copy

 TCP/IP

IP/Domain:

192.168.172.226

Port Number:

47808

Extention Properties

☐ Device Address (if other than Unit Number):

Device Broadcast [I AM] Time (second):

0

Polling Cycle:

1

Device Instance #:

0

Max Property/ Request:

0

Synchronize Time at(Ex. 23:50:00):

01:00:00

Device Type: BACnet IP

Unit Number: 无特殊意义

IP and Port: BACnet 服务器的 ip 和端口号

Device Broadcast [I AM] Time (second): 如果服务器中启用了 COV（值更改）报告，请将此处设置为 EdgeLink 设备发送“I AM”的频率。COV 只在值发生变化且 I AM 消息能正常接收时发送值变化消息。如果使用 IAM 广播，在指定的时间内 IAM 消息没有被 server 接收到，那么，表明设备是有故障的。如果不使用 COV，那么 IAM Time=0

Polling Cycle: 设备的扫描时间，配置为 TCP 端口扫描时间的倍数。例如 1 表示和 tcp 端口的扫描时间相同，2 表示设备扫描时间为 tcp 端口扫描时间的 2 倍。也就是，如果 tcp 端

口扫描时间为 1s，此处配置 2 时，设备扫描时间为 2s 一次。

Device Instance #: BACNet 服务器的设备实例号。

Max Property/Request: 0 表示一次轮询 70 个点，其他值表示一次轮询所配置的点数。

Synchronize Time at (Ex. 23:50:00): 在何时与服务器同步时间

2. 添加点

地址格式: TypeNo.InstanceNo.PropertyId.

TypeNo.: 驱动支持 Analog Input, Analog Output, Analog Value, Binary Input, Binary Output 和 Binary Value 这 6 种类型

类型	类型号
Analog Input	0
Analog Output	1
Analog Value	2
Binary Input	3
Binary Output	4
Binary Value	5

InstanceNo.: 点在 server 中的序号

PropertyId: 请参照 BACNet 协议. 例如, present value 为 85.

地址示例:

读取 present value 示例:

类型和序号	地址
AI_2	0.2.85
AO_2	1.2.85
AV_2	2.2.85
BI_2	3.2.85
BO_2	4.2.85
BV_2	5.2.85

3. 错误代码

Tag	Value	Quality	Timestamp
NewDevice:right	31255.20	Good	2020-11-04T01:15:17(+08:00)
NewDevice:wrong_instanceNo	0.00	b01fH	1970-01-01T08:00:00(+08:00)
NewDevice:wrong_propertyID	0.00	b020H	1970-01-01T08:00:00(+08:00)

Error code	Meaning
GOOD	No error
C010	Device Idle, I-AM timeout
C002	Data type mismatch
A00X	Discrete value over max state
QCode bit coded	0001 in alarm, 0002 Fault, 0004 Overridden, 0008 Out of service
b014	No space to write property
b01b	Read access denied
b01f	Unknown object
b020	Unknown property
b025	Value out of range
b028	Write access denied
b02a	Invalid array index
b02f	Datatype not supported
b030	Duplicate name
b031	Duplicate object id
b032	Property is not an array
b033	Abort buffer overflow
b034	Abort invalid apdu in this state
b035	Abort preempted by higher priority task
b036	Abort segmentation not supported
b037	Abort proprietary
b038	Abort other
b03b	Reject buffer overflow
b03c	Reject inconsistent parameters
b03d	Reject invalid parameter data type
b03e	Reject invalid tag
b03f	Reject missing required parameter
b040	Reject parameter out of range
b041	Reject too many arguments
b042	Reject undefined enumeration
b043	Reject unrecognized service
b044	Reject proprietary

b045	Reject other
b050	Parameter out of range
b07b	Abort apdu too long
b07c	Abort application exceeded reply time
b07d	Abort out of resources
b07e	Abort tsm timeout
b07f	Abort window size out of range
b0100	Loss of port connection
b0101	Header timeout error
b0102	Data timeout error
b0103	NPDU Timeout error
b0104	Header CRC error
b0105	Data CRC error
b0106	Non-NPDU message error
b0107	Timeout error
b0108	Serial port error
b0109	Invalid Write Property Error
b010a	Invalid Read Property Error
b010b	No valid read data
b010c	Unsupported Frame Type
b010d	Error in the MS/TP Network
b010e	Unknown Data Type to write
b010f	Invalid Destination MAC Address
b0110	Invalid Source MAC Address
b0111	Invalid Header Information
b0112	Unable to get a valid Invoke ID