

Bacnet/IP

Overview of Bacnet/IP implementation

Our Bacnet vendor ID is **571**
Converter supports full segmentation.

Supported objects:

- [Device](#)
- [Analog Input](#)
- [Analog Output](#)
- [Analog Value](#)
- [Binary Input](#)
- [Binary Output](#)
- [Binary Value](#)
- [Calendar](#)
- [Schedule](#)

Supported properties can be displayed by clicking on objects.

Properties support depends on their implementation in communication drivers. All basic properties are implemented.

Not implemented properties will always return null or 0.

Supported services:

- Read Property
 - Read Property Multiple
 - Write Property
 - Write Property Multiple
 - I am
 - I have
 - Who has
 - Who is
 - Subscribe COV
 - Confirmed COV notification
 - Unconfirmed COV notification
 - Subscribe COV Property
-

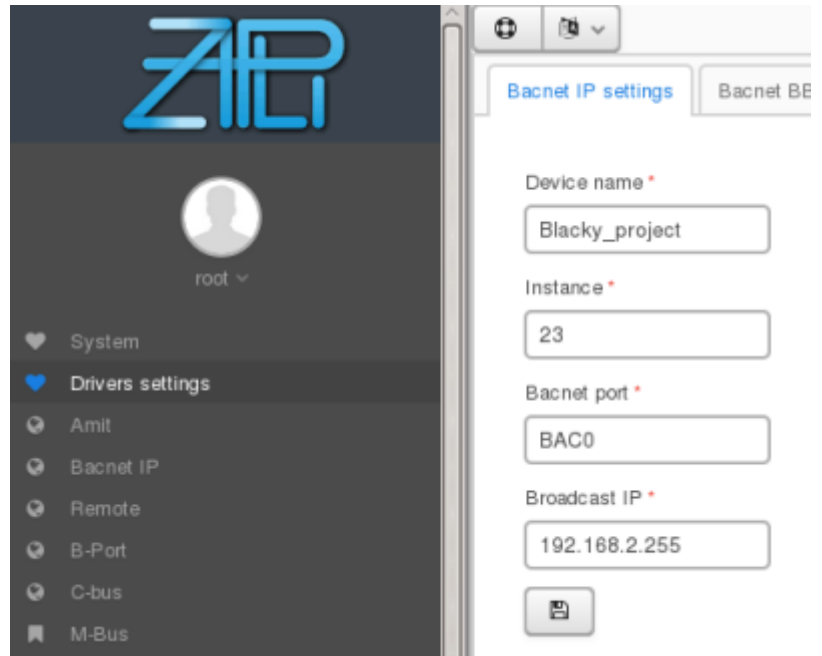
Changes to Bacnet/IP standard

- Who has, Who is, I am, I have and COV are not using broadcast

- Communication is not binded only on one port, responses are sent on senders port.

Bacnet/IP settings

These basic parameters are available:

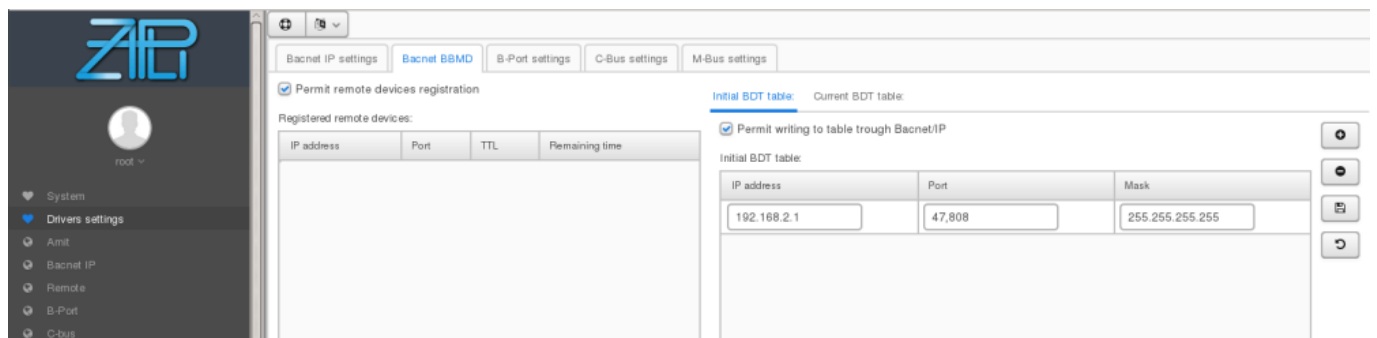


- Name of Device object
- Instance of Device object
- Port number in hexadecimal format
- Broadcast mask - at initialization is once used to sent **I am** command, then will be used only for Bacnet browser

BBMD settings

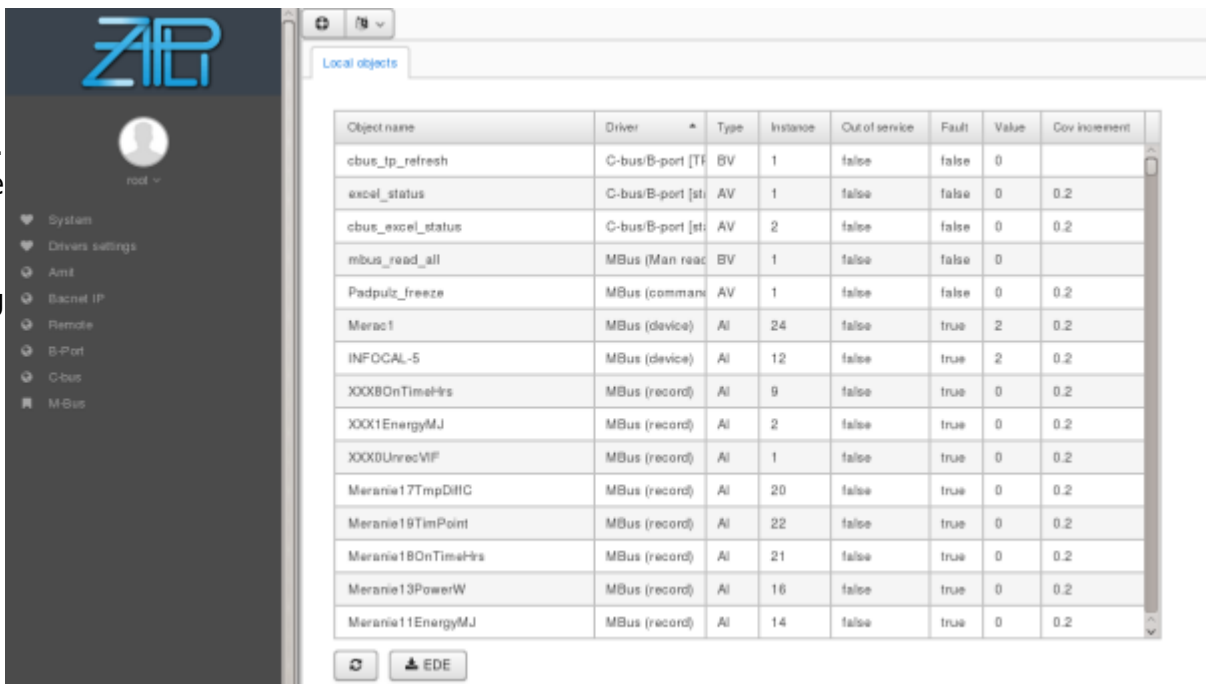
[Enables BACnet/IP Broadcast Management Device service.](#)

In the right side of the screen is located Broadcast Distribution Table.



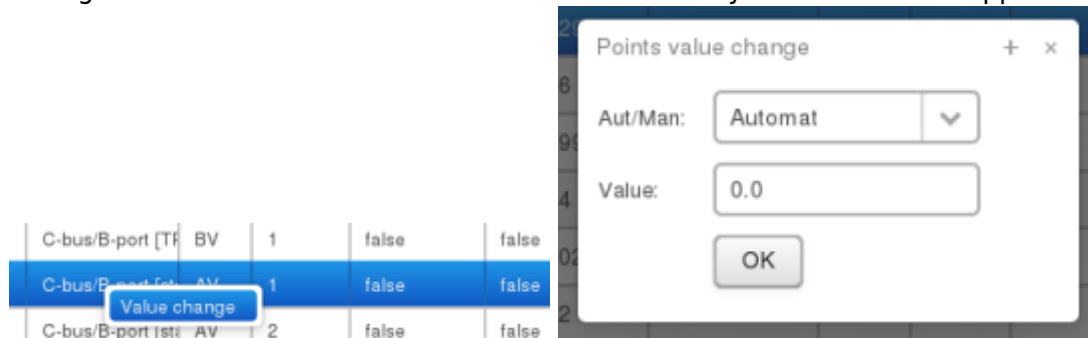
Local Bacnet points

Displays list of local points with their states. Value of the point can be changed by selecting and then right-clicking desired row, context menu for value change should pop up.



Object name	Driver	Type	Instance	Out of service	Fault	Value	Cov increment
cbus_ip_refresh	C-bus/B-port [TF	BV	1	false	false	0	
excel_status	C-bus/B-port [st	AV	1	false	false	0	0.2
cbus_excel_status	C-bus/B-port [st	AV	2	false	false	0	0.2
mbus_read_all	MBus (Man read	BV	1	false	false	0	
Padpuliz_freeze	MBus (command	AV	1	false	false	0	0.2
Merac1	MBus (device)	AI	24	false	true	2	0.2
INFOCAL-5	MBus (device)	AI	12	false	true	2	0.2
XXXBOnTimeHrs	MBus (record)	AI	9	false	true	0	0.2
XXX1EnergyMJ	MBus (record)	AI	2	false	true	0	0.2
XXX0UnrecVIF	MBus (record)	AI	1	false	true	0	0.2
Meranie17TtmpDIIIC	MBus (record)	AI	20	false	true	0	0.2
Meranie19TimPoint	MBus (record)	AI	22	false	true	0	0.2
Meranie18OnTimeHrs	MBus (record)	AI	21	false	true	0	0.2
Meranie13PowerW	MBus (record)	AI	16	false	true	0	0.2
Meranie11EnergyMJ	MBus (record)	AI	14	false	true	0	0.2

Changed value will be written to connected device only if active driver supports such action.



The dialog box 'Points value change' contains the following fields:

- Aut/Man: Automat (dropdown menu)
- Value: 0.0 (text input field)
- OK button



Updates values



EDE Exports Bacnet EDE