Hi,

We have purchased an Anybus X-gateway – EtherNet/IP Scanner - PROFIBUS Slave to have our PC (EtherNet/IP slave) communicate to a Profibus Master PLC, and I am experiencing faults with unsuccessful troubleshooting attempts.

I have tried to set up the EtherNet/IP side but I was getting fault indicators on the gateway.

The NS light at the bottom was flashing green, and the MS light was flashing red, indicating a minor fault (unclear what the fault was).

*User manual screenshot shown below for indicator status:*

A picture containing text, diagram, parallel, technical drawing

Description automatically generated

I had the gateway connected to the PC, where the PC would act as the EtherNet/IP slave (using Beckhoff’s TwinCAT software).

TwinCAT EtherNet/IP device was setup as follows (with an IP address of 192.168.0.10 on the network adapter):

A screenshot of a computer

Description automatically generated with medium confidence

I have the input and outputs specified, and the device’s configuration, input, and output instances are 128, 129, and 130, respectively. The IP of the master-side (the gateway in this case) is set to 192.168.0.1)

I used the gateway’s configuration utilities and have the following setup:

A screenshot of a computer

Description automatically generated

Note IP of the scanner set to 192.160.0.1

A screenshot of a computer

Description automatically generated with medium confidence

Note the sizes (in bytes) and connection points (or instance numbers that should match TwinCAT) for the slave information that I am configuring on the gateway’s scanner side.

A screenshot of a computer

Description automatically generated

However, with this configuration, I get the fault mentioned above with the flashing lights, and there is no communication between the devices (the PC’s TwinCAT software and the gateway).

Is there something that I am missing?

I have not configured the Profibus side because I do not have access to the Profibus master at this point.

Thanks,