PowerLine Module

LX200V30 FAQ

Version V1.0 | April, 2019
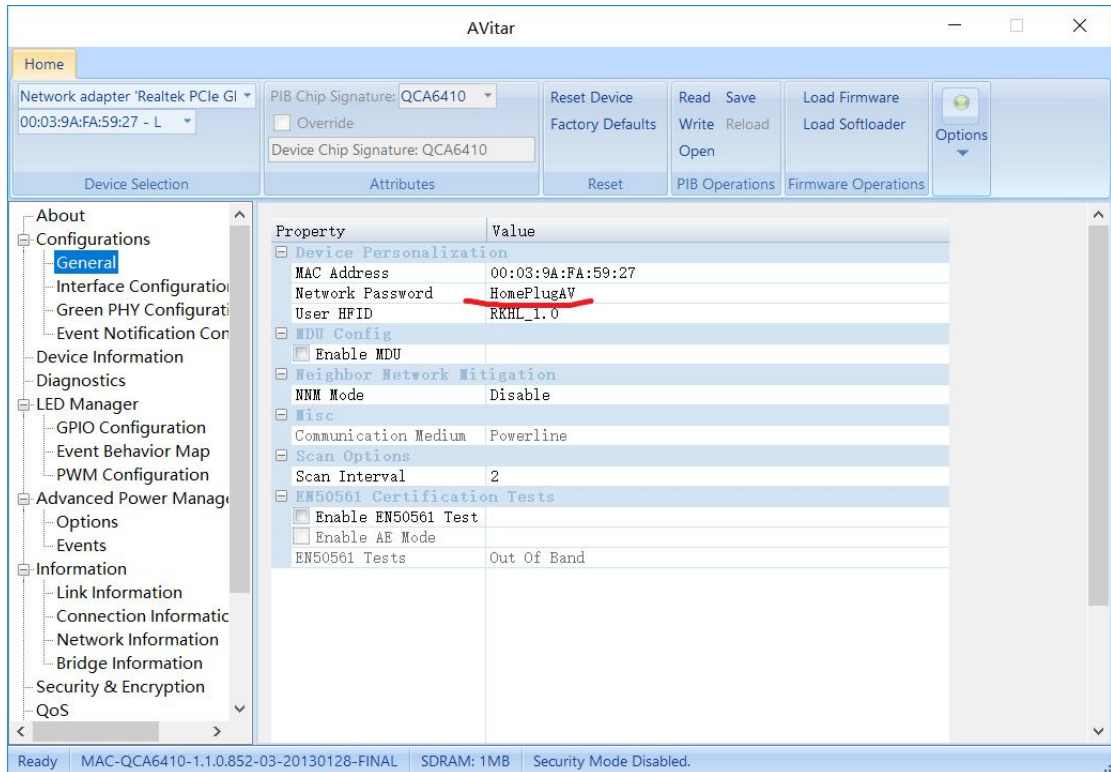
1. It is unclear how to activate AES pairing between the modules. It sounds like all modules built by your company use the same AES128 key?

    Answer：Yes, the default network password is HomePlugAV. You can use it for pairing between the modules defaultly.Of course, you can change it by AVitar.

2. There are some technical inconsistencies in the documentation for the LX200V30.In the image of the WisPLC Pro board it appears that pins 2 and 5 and pins 3 and 4 are connected to the powerline transformer, but in the LX200V30 documentation it lists pins 3 and 4 as no connect.

    Answer：The following picture is WisPLC Pro's schematic, the powerline transformer's pin3(TR2+) and pin4(TR2-) don't connect to anywhere.
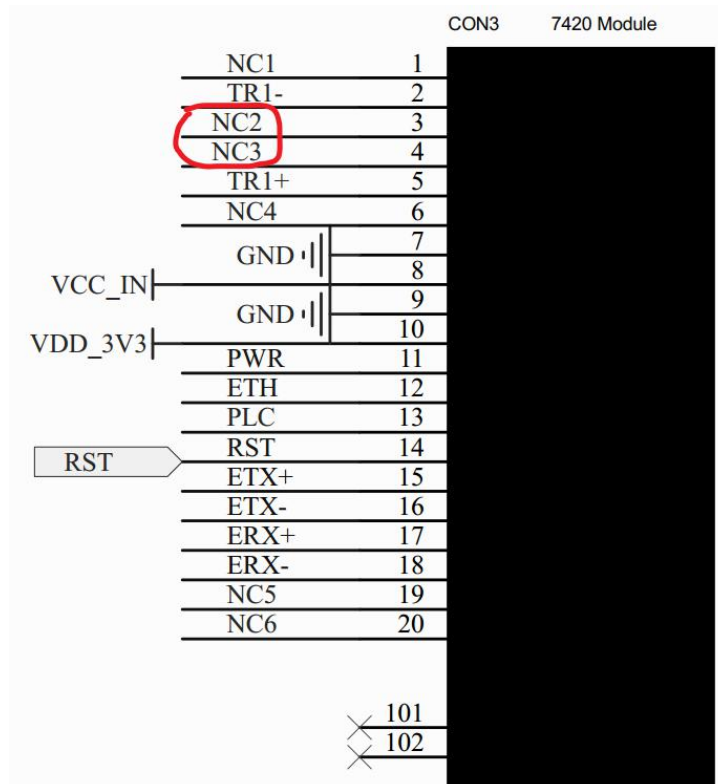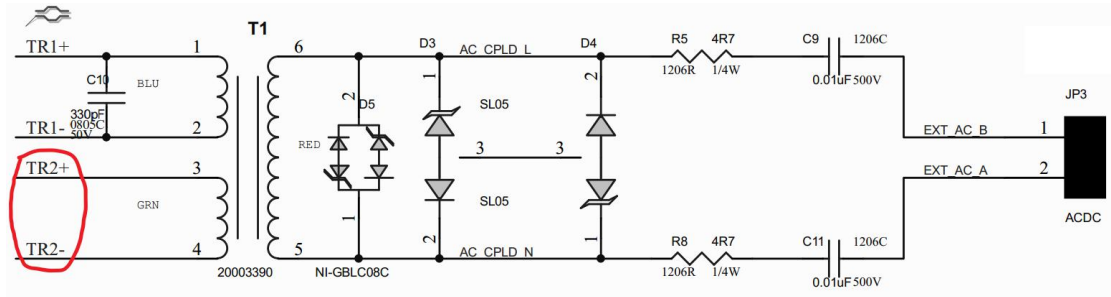
Figure1:WisPLC pro's SCH

3. The DXF file of the WisPLC Pro baseboard appears to show the PLC transformer connected to pins 3 and 4 of the module, but the module's datasheet says that the transformer should be connected to pins 2 and 5. Which is correct?
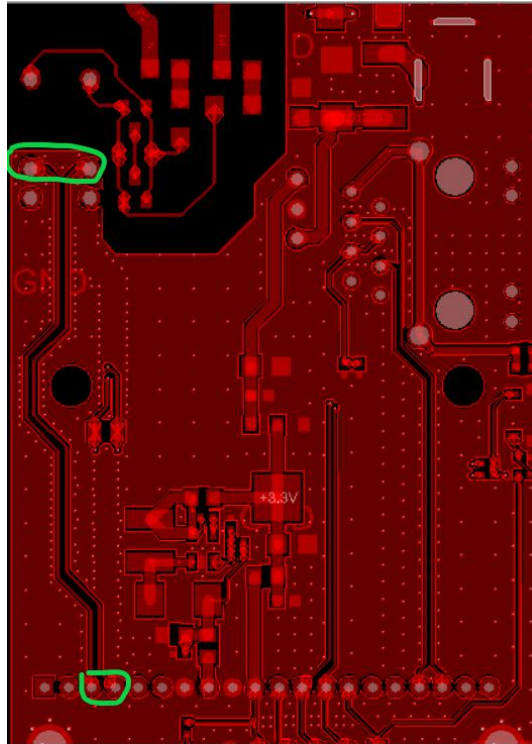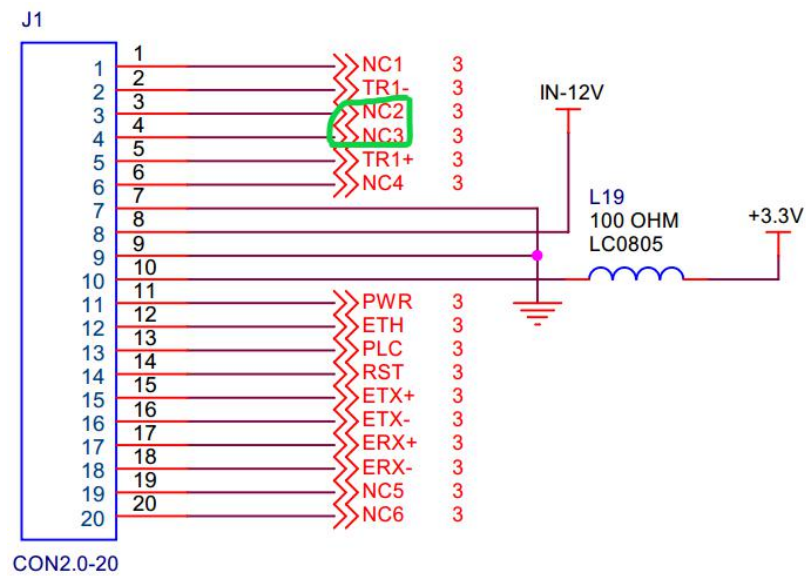
Figure2:WisPLC Pro's PCB

Figure3:LX200V30's SCH

Answer: Please refer to Figure1:WisPLC Pro's SCH, Figure2:WisPLC Pro's PCB and Figure3:LX200V30's SCH).

Pins 3 & 4 are showing connected to TR2+ and TR2- in the PCB although they are showing NC in SCH. The PCB design just reserves for the other modules. Actually,LX200V30 module doesn't connect to pins 3 & 4 of J1 internally.

So, the transformer's pins 1 and 2 should be connected to pins 2 and 5 of the module.

4. Does the LX200V30 module require both 12V and 3.3V simultaneously?

   Answer: the LX200V30 module requires both 12V and 3.3V simultaneously.

5. Are these pins sources (+ outputs) or sinks (ground) when enabled?
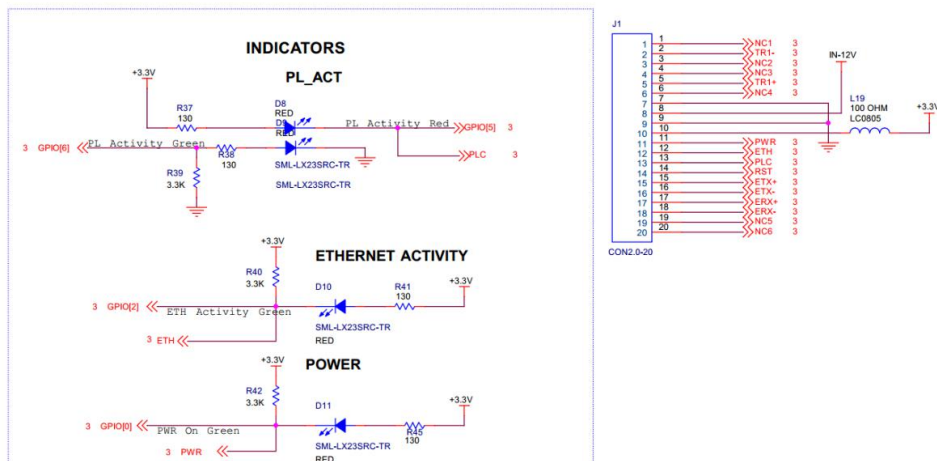
   PIN11: PWR

   PIN12: ETH

   PIN13: PLC

   Answer:

Figure4: LED SCH of LX200V30 module

These pins sources (+ outputs) or sinks (ground) when enabled.Please refer to " Figure4: LED SCH of LX200V30 module" and GIPO[0],GIPO[2],GIPO[5] come from AR7420.

J1's PIN-11 PWR: Power indicator

J1's PIN-12 ETH : light when link; flashing when there is data flow;

J1's PIN-13 PLC : light when link; flashing when there is data flow;

Please refer to " Figure1:WisPLC pro's SCH".These pins(Their nets come from LX200V30 module) are connected to CON3 for customer who want to light their own LED.