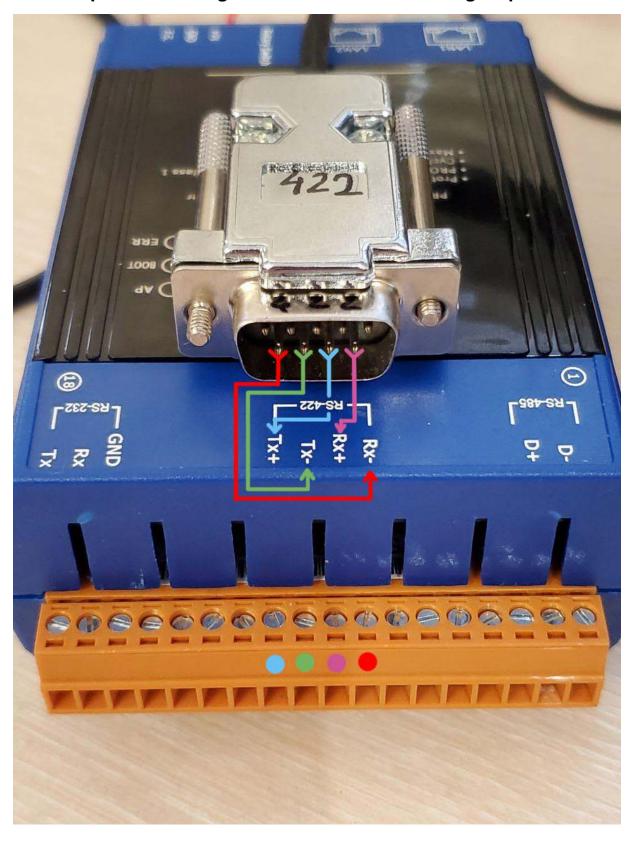
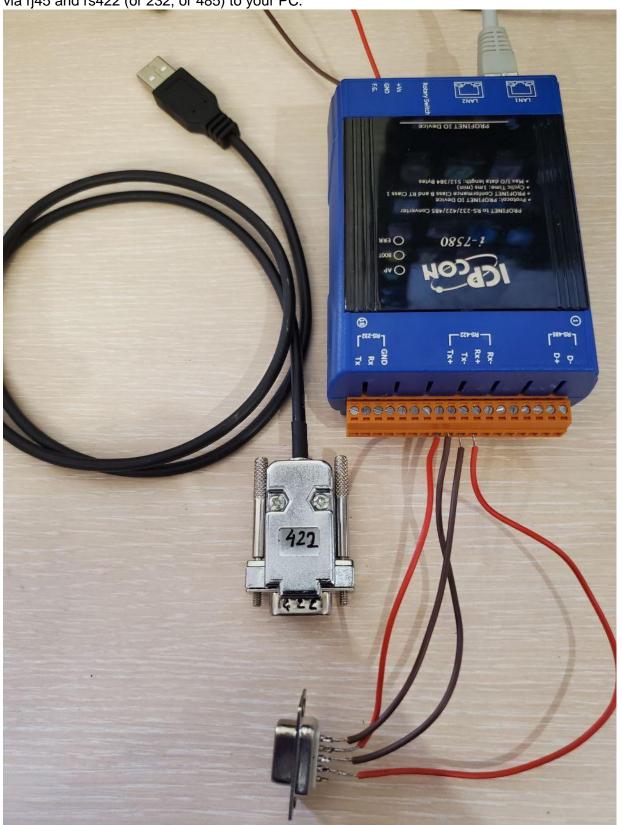
Little help in connecting the converter and checking its performance

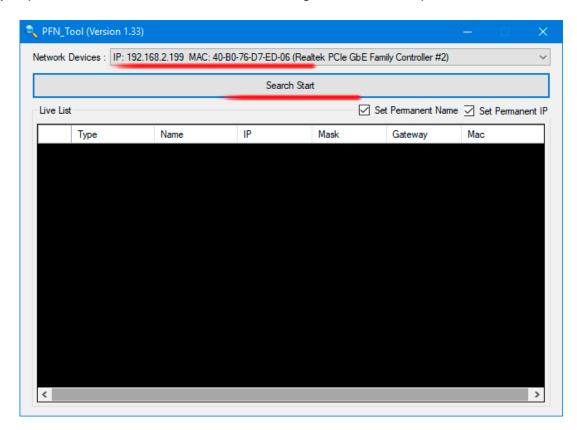


## How to test the device

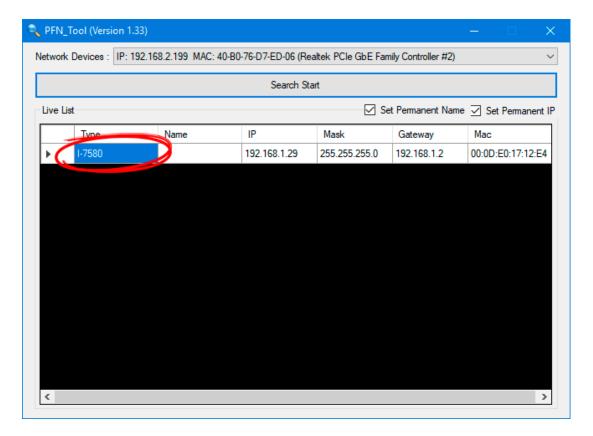
1) First, you should to apply 24V power to the I-7580 converter and then to connect converter via rj45 and rs422 (or 232, or 485) to your PC.



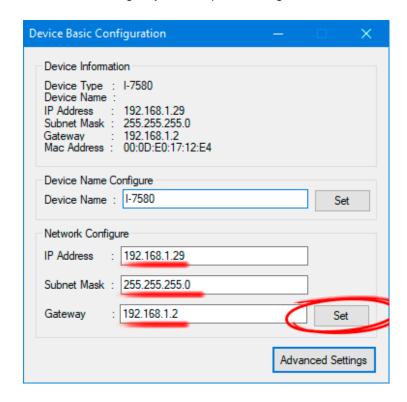
2) Open PFN\_Tool software and start searching as shown in the pictures



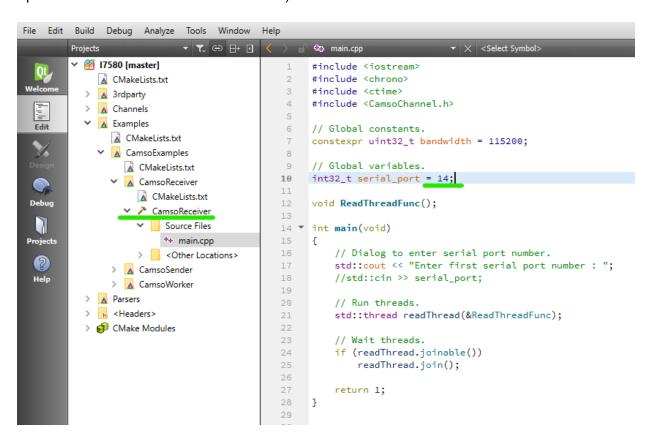
3) Select the discovered device by double clicking



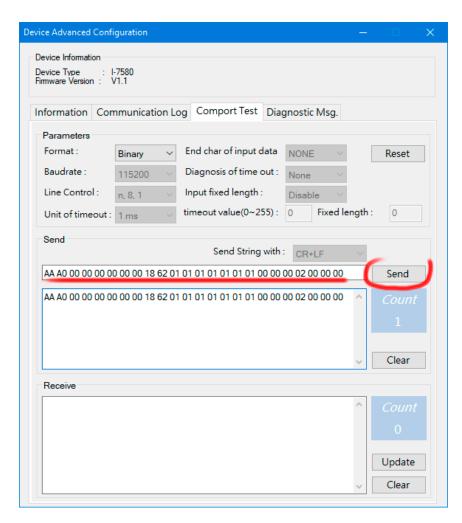
4) Configure the device according to your adapter settings



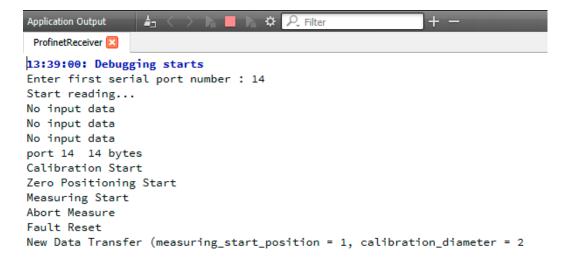
5) Run the sample receiver program (before that, specify in the program the number of the com-port to which the converter is connected)



**6)** If you send this data (AA A0 00 00 00 00 00 18 62 01 01 01 01 01 01 00 00 00 02 00 00 00) from I-7580 Converter to PC:



Then in in the sample receiver program you can see this output information



7) You can also check the sending of data in the opposite direction, from the PC to the converter. For this you can run the sample sender program (before that, specify in the program the number of the com-port to which the converter is connected)

```
File Edit Build Debug Analyze Tools Window Help
                                                 → 😘 main.cpp
           17580 [master]
                                                  #include <iostream>
             A CMakeLists.txt
                                                   #include <chrono>
                                                   #include <ctime>
             ▲ 3rdparty
                                                  #include <CamsoChannel.h>
           > 🔥 Channels
           Examples
                                                  // Global constants.

▲ CMakeLists.txt

                                                  constexpr uint32_t bandwidth = 115200;
             std::atomic<uint32_t> time_point[256][256];
                  std::chrono::time_point<std::chrono::system_clock> start_time;
                > 🔼 CamsoReceiver
                                                 int32_t serial_port = 14;
                  ▲ CamsoSender
                    ▲ CMakeLists.txt
                                                  void SendThreadFunc();

✓ 

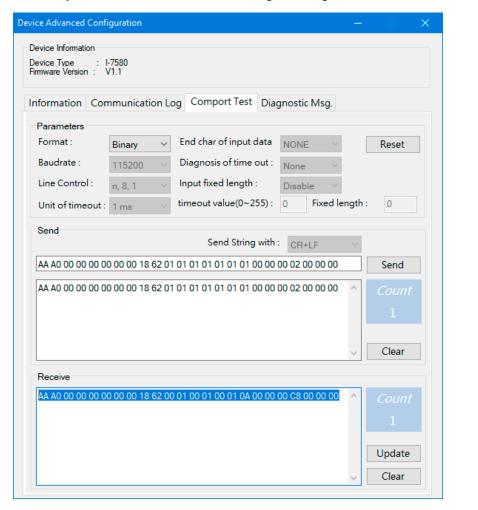
✓ CamsoSender

                                             15 ▼ int main(void)

▼ Source Files

                         ++ main.cpp
                                            16
                                                  -{
                                                      // Dialog to enter serial port number.
std::cout << "Enter first serial port number : ";</pre>
                    > - <Other Locations>
                > 🛕 CamsoWorker
                                                      //std::cin >> serial_port;
           > A Parsers
                                             20
           > H <Headers>
           std::thread sendThread(&SendThreadFunc);
                                            23
24
             // Wait threads.
                                                       if (sendThread.joinable())
                                             26
27
                                                           sendThread.join();
                                                      return 1;
```

On the converter side, you should receive the following message:



8) You can also track all traffic between the converter and PC

