

DAM-E3220

User's Manual



Beijing ART Technology Development Co., Ltd.

DAM-E3220 Module

Features

Serial Device Servers

- Network Port: 10/100Base-T, RJ-45 interface
- Serial Port: 1 RS-232, 1 RS-485
- Transmission Speed: RS-232 (300bps~115.2Kbps)
RS-485 (300bps~115.2Kbps)
- Power Supply: unregulated +10~+30V_{DC}
- Power Consumption: 1.0W @ 24VDC

Hardware Layout



Connectors and Signal

| Pin | Name | Function |
|-----|--------|----------------------------|
| 1 | TX+ | RS-422 send data (+) |
| 2 | TX- | RS-422 send data (-) |
| 3 | RX+ | RS-422 receive data (+) |
| 4 | RX- | RS-422 receive data (-) |
| 5 | | NC |
| 6 | DATA+ | RS-485interface signal (+) |
| 7 | DATA- | RS-485interface signal (-) |
| 8 | | NC |
| 9 | | NC |
| 10 | | NC |
| 11 | | NC |
| 12 | INIT* | Reset pin |
| 13 | (R)+Vs | Power input, +10~+30VDC |
| 14 | (B)GND | Power ground |

Common Faults and Exclusion Method

1. Data Communication Failure

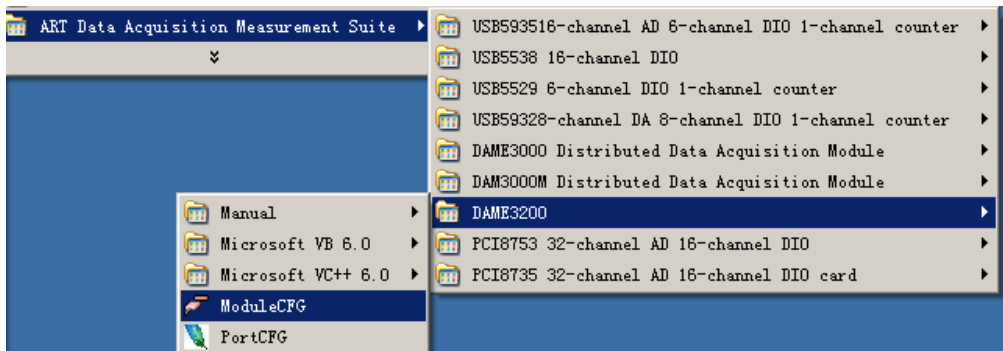
- Check the RS-232/RS-485 interface, whether the wiring is correct.
- Check the RJ-45 interface, whether the wiring is correct.
- Check whether the terminals are connected well.

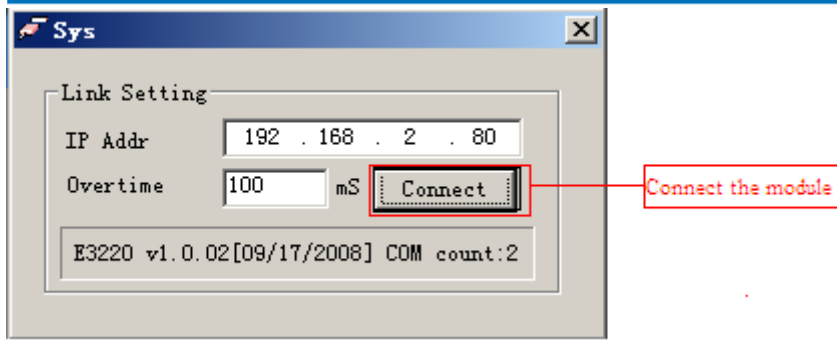
2. Data loss or errors

- Check the transfer rate and the format are consistent of the data communications equipment at both ends.

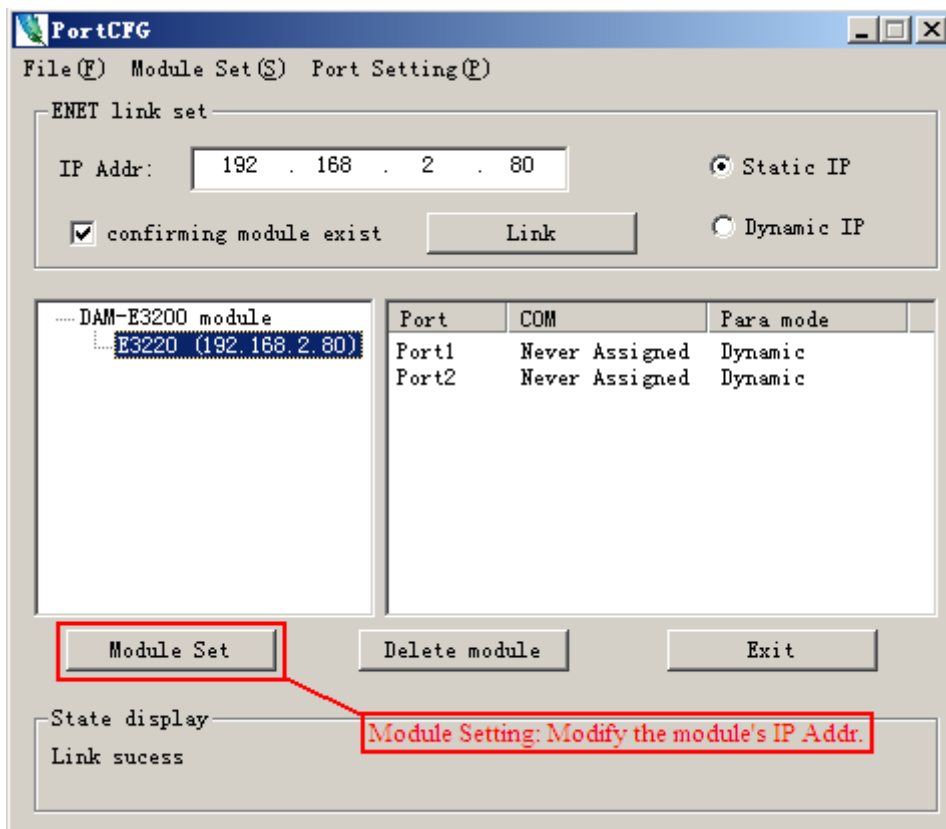
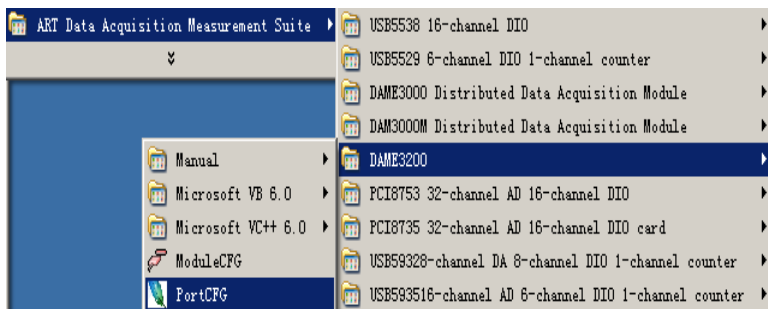
Operation Interface

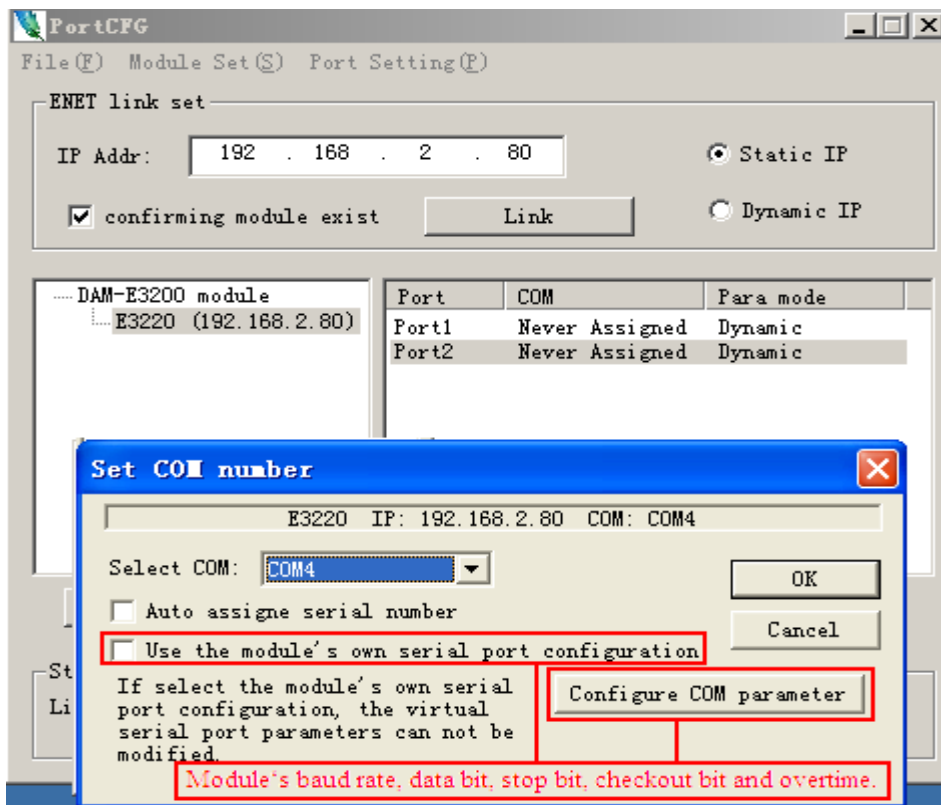
1. Open the DAM-E3220 ModuleCFG Software: click the “DAM-E3220” in “ART Data Acquisition Measurement Suite” to connect the DAM-E3220 Module.



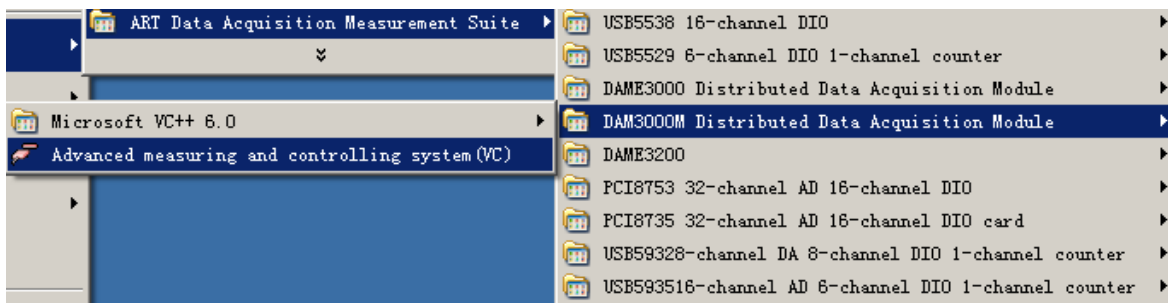


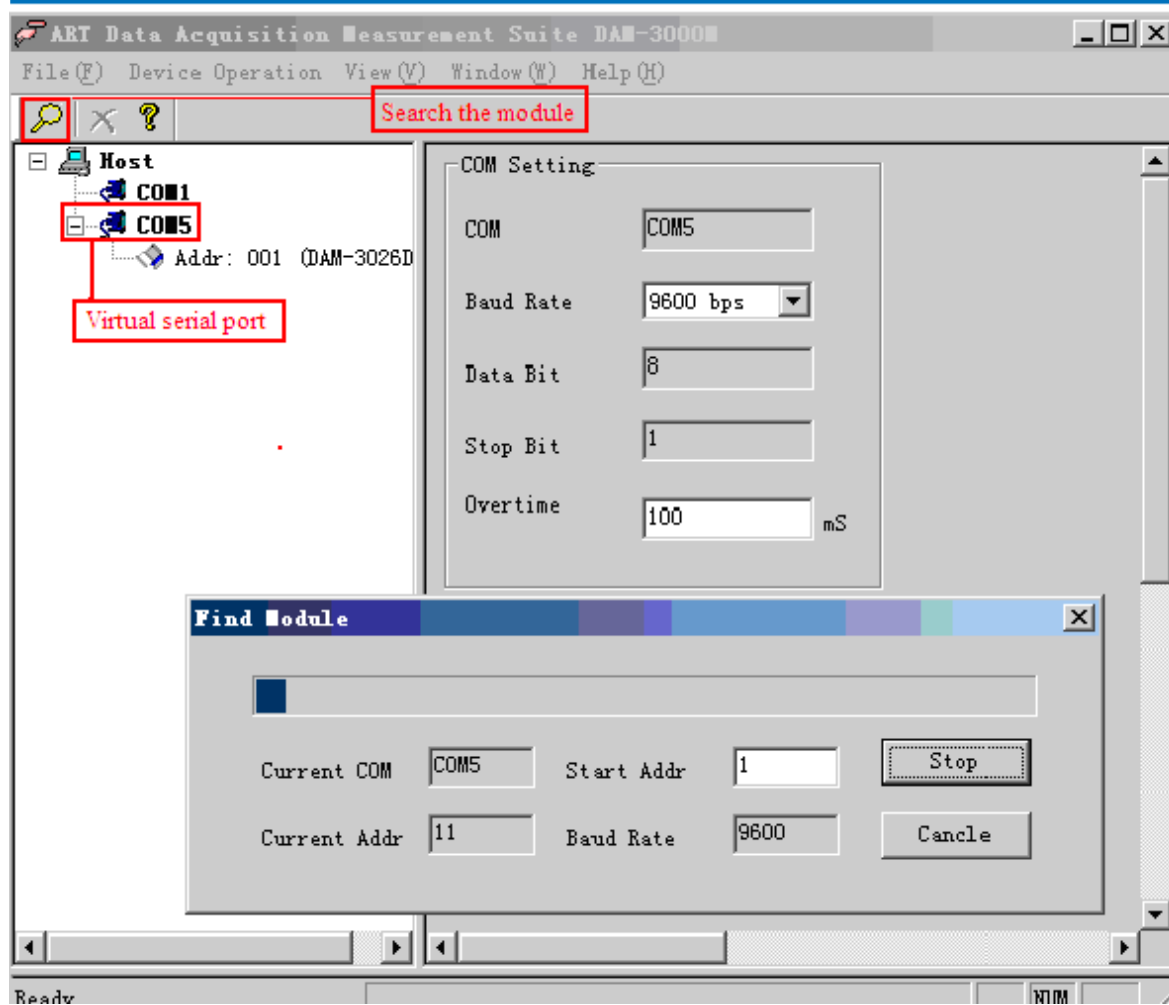
2. Open the DAM-E3220 PortCFG Software: click the “DAM-E3220 PortCFG” in the system tree to set the module’s virtual serial port number and serial port parameters.





3. Open the DAM-3000M Software: click the “DAM-3000M” in the system tree to connect the DAM-3026D Module.





Note

When you need to re-install the DAM-E3220's program, following these steps:

- Uninstall the existing;
- Restart the computer;
- Re-install the program.

If you don't do these, the virtual may not be identified. The solution is to restart the computer.