

MASTER-485

UART to RS-485 convertor with bus power supplied

Features

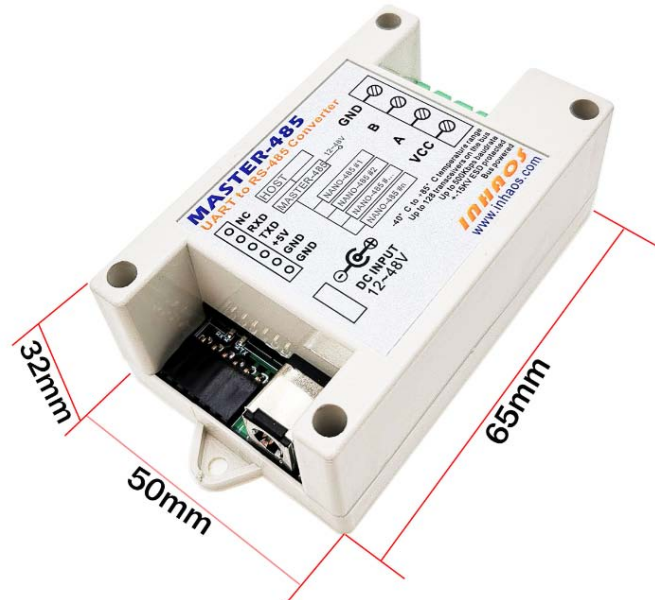
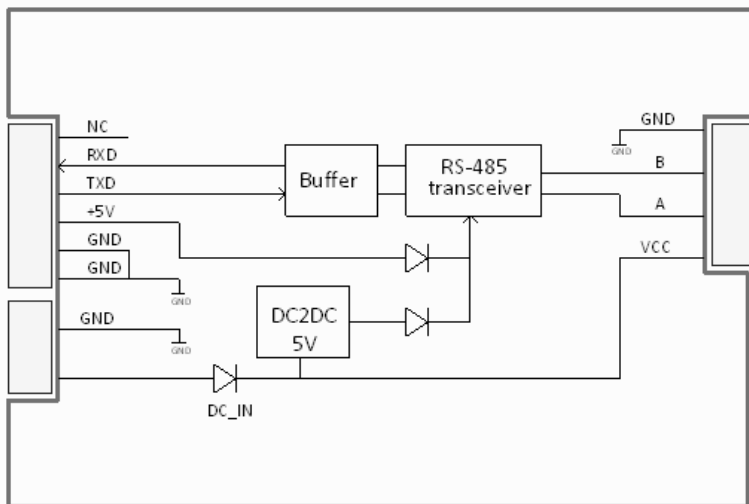
- UART to RS-485 convertor
- Support bus power DC 12V to 48V
- Directly support Arduino Serial light interface
- Only TXD/RXD is required, no DE/RE signal is required
- Support DC power or USB power input
- Transmission speed up to 500Kbps
- 1/4 Load, allow up to 128 transceivers on the bus
- +-15KV ESD protected
- 3 LED indicators: Power/TXD/RXD
- Two wall mounting holes for easy installation



Typical Application

- RS-485/RS-422 network application
- Utility Meters
- Industrial Controls
- Industrial Motor Drives
- Automated HVAC systems
- Inhaos MD-NANO485 host interface

Functional Diagram



MASTER-485

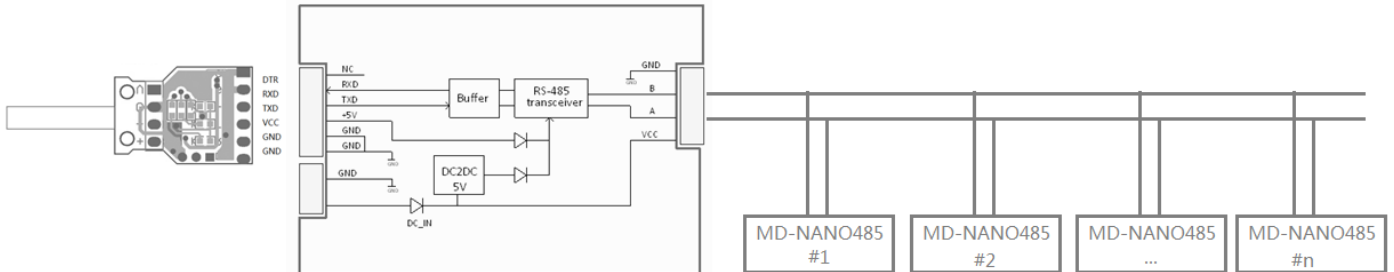
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Applications

The Master-485 support two mode:

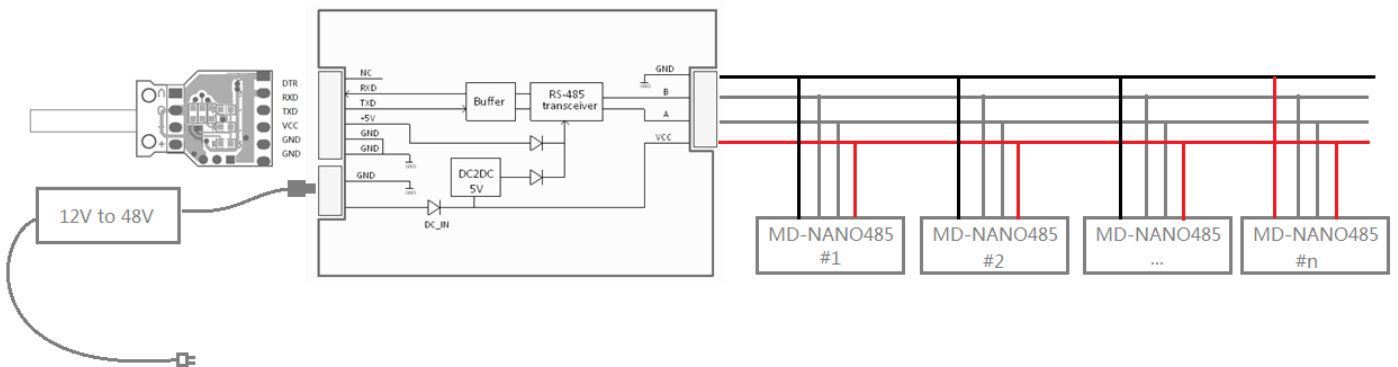
Mode1: bus only mode

In this mode, Master-485 can be supply by +5V form the serial cable, the output provide standard RS-485/RS-422 signal. This mode only need 2 wires for net connection.



Mode2: bus power mode

In this mode, a power supply can be connected to the DC plug and it is will be used as the bus power. This mode requires the bus to be connected by 4 wires, and the power cord should have a larger current capacity.



Related Products

USB to UART cable: UC-340G: http://www.inhaos.com/product_info.php?products_id=159

USB to UART cable: UC-2102: http://www.inhaos.com/product_info.php?products_id=120

MD-NANO485: be ready soon!



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