

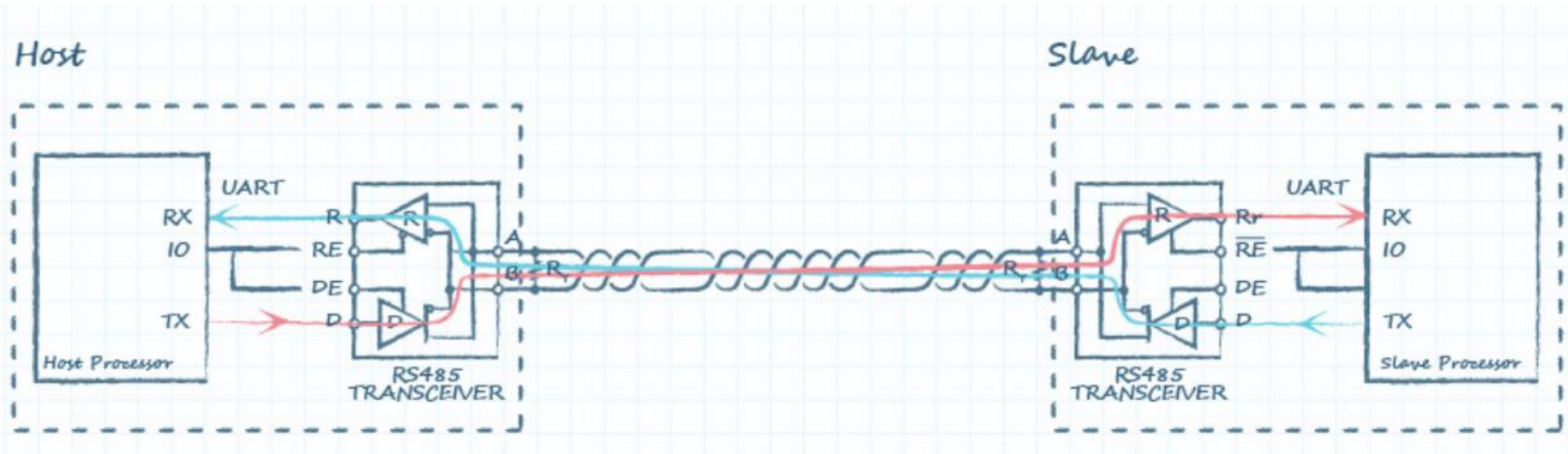
Introduction to RS485

- A Brief Overview of RS-485 Communication Protocol
- It was created for improvement of RS-232
- It was created by the Telecommunications Industry Association and Electronic Industries Alliance (TIA/EIA)
- It is also referred as RS-485, TIA/EIA-485, TIA - 485
- It works as a Master slave module protocol

Advantage of RS-485

- Allows reliable serial communication on a 2-wire network
- Distance up to 1200m
- Data rate up to 10Mbps
- Up to 32-line device
- Allow good communication in Noisy Environment
- Worked in Half duplex mode but can work Full duplex mode also(with 4 Pin)

Communication Diagram



USB to RS485 Converter in the R414A01 Module

Signal Transmission

