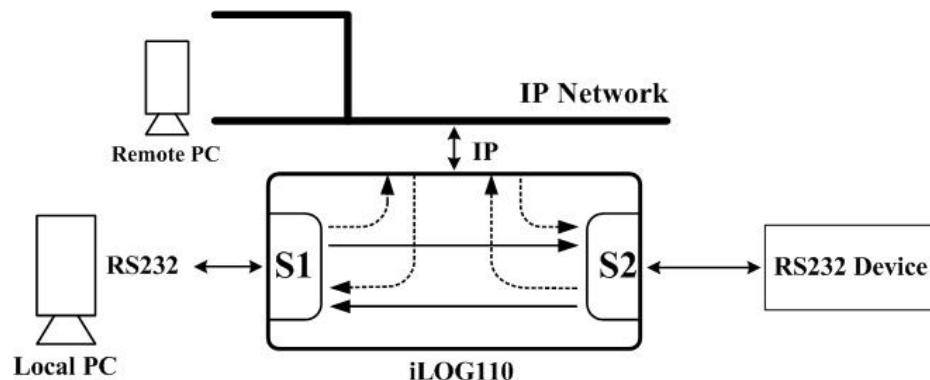


How to select iLOG intelligent serial port monitor products

Right now RAYON Technology releases many iLOG intelligent serial port communication data monitor to meet different environment. The standard function for iLOG product is to create two serial ports in IP network to monitor TXD and RXD signal in serial port connection. But different iLOG product will offer other feature to meet dedicated environment.

1. iLOG110 intelligent monitored RS232 isolator:

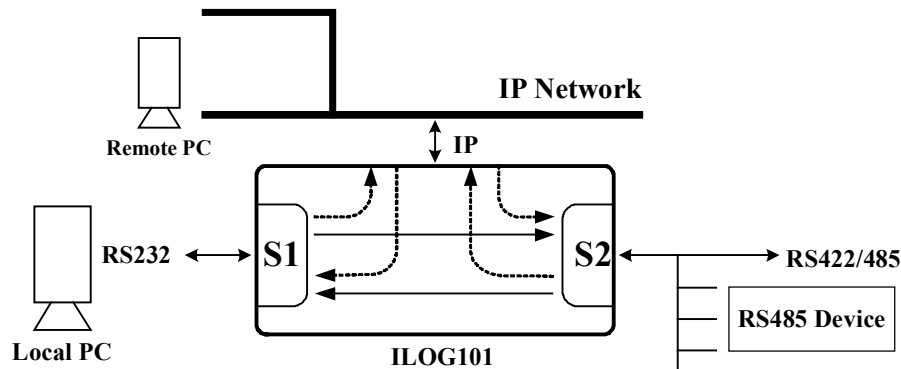
This is used in traditional requirement in RS232 GROUND isolated feature environment. Because RS232 is common mode data transmission signal, so we may have same signal ground to be connected in both RS232 devices. When we may have big ground bounce problem in rigid environment, we may need to separate signal ground in both RS232 devices. Then we need to use RS232 isolator between both RS232 devices. ILOG110 box can offer such function and support intelligent monitor capability in both data transmission direction. Except monitor feature in iLOG110 box we can also simulate as one RS232 device to send command to target RS232 device. So we can check the signal path between iLOG110 and target RS232 device OK or not.



2. iLOG101 intelligent monitored RS232 to ground isolated RS422/RS485 converter:

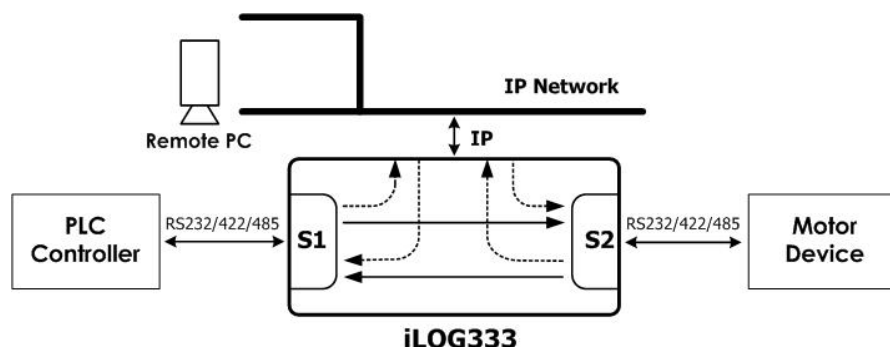
This is used in traditional requirement in RS232 to ground isolated RS422/RS485 converter application environment. Because we may have RS232 interface in standard PC's COM port, so we may need to convert RS232 interface to RS485 interface to connect with PLC (ex, S7-200 PLC may use RS485 serial port). We can use iLOG101 box between PC's COM1 port and PLC's RS485 serial port. The ground isolated feature will prove safety in rigid environment. We can use two serial ports created in iLOG101 box via IP network to monitor data

transmission between PC and PLC. Except monitor feature in iLOG101 box we can also simulate as PC to send command to PLC or simulate PLC to send data to PC. So we can check the signal path between iLOG101 box and PC or PLC.



3. iLOG333 intelligent monitor for any RS232/RS422/RS485 environment:

In serial port communication environment we may have RS232,RS422,RS485 interface for different device. If we need to have one monitor box to meet different interface requirement, then iLOG333 is the solution. You may have simple RS232 only environment or you may have RS232,RS422,RS485 complex environment. ILOG333 box can meet your target interface environment anytime. You don't need to have target converter for target environment. You just need one type iLOG333 box to monitor your serial port communication. You may have one PC to connect with one RS232 meter. You may have one PC to connect with one RS485 PLC. You may have one PC to connect with one RS422 device. Now you can use iLOG333 box to monitor any serial communication environment via IP network.



- Now you can have IPCAM in car to record your image. You may have black-box in airplane to record data. Such data will help us to find some problem in transport system. But it is video and voice to help us. In industrial control environment we need some tool to help us. ILOG intelligent serial port communication data

monitor is the tool you must have. You can analyze such data to find the possible reason. Do we send correct command from PC? Do we have correct response data from PLC? When we have iLOG box to monitor and record serial communication data, we can find possible reason more easily.

5. iLOG110 box can meet the requirement in RS232 isolated environment. ILOG101 box can meet RS232 to RS422/RS485 converter function and ground isolated requirement. ILOG333 box can meet any RS232,RS422,RS485 interface environment. You can choose one in your application environment.
6. iLOG series products are based on IP network environment to monitor your serial port communication environment. RAYON Technology also have ULOG485 product to use USB connection to monitor your serial port communication environment. One ULOG485 box can support two sets RS232 to ground isolated RS422/RS485 converters.

