YN-2209 Isolated RS-485 Repeater

Packing List

Before you begin installing your module, please make sure that the following materials have been shipped:

YN-2209	x1
9V@1A Power Adapter	x1
Driver&Manual CD	x1
User Manual	x1

If any of these are missing or damaged, contact your distributor or sales representative immediately.

Specifications

Port Portection:	TVS + PTC
Max. Load:	32
Max. Distance:	4000ft (1200m) @ 19.2Kbps
Transmission speed:	600bps to 115.2Kbps
Isolation Voltage:	1000 V
Power Requirement:	+9 VDC @1 W
Case:	ABS+PC
Screw Terminal Wiring:	Accepts AWG #12 to #22 (0.5 to 2.5 mm) wires
Operating Temperature:	-30 ~ 70 ° C
Operating Humidity:	20% to 95% (non-condensing)

Overview

Your Neighbor Tech's YN-2209 RS-485 repeaters simply amplify, or boost, existing RS-485 signals to enable them to cover longer distances. They extend the communication distance by 4000 ft (1200 m) or extend the number of connected nodes by 32.
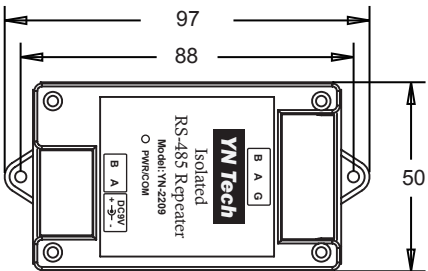
YN-2209's opto-isolators provide 1000 VDC isolation to protect the host computer from ground loops and destructive voltage spikes on the RS-485 data lines.

YN-2209 offer internal surge protection on their data lines. Internal high speed transient suppressors on each data line protect the modules from dangerous voltages levels or spikes.

YN-2209 dose noe require any external flow control signals. It also have power and data indicator for troubleshooting.

All this feature makes the YN-2209 especially suitable for Remote data acquisition, Process monitoring, Industrial process control, Energy management, Supervisory control, Security systems, Laboratory automation, Building automation, Product testing, Direct digital control and so on.

Dimensions&Communication LED Status

YN-2209 LED Indicator on the front panel:

PWR	Green Power Indicator, ON when Power is ON
COM	Red Data Indicator, Flash when Data on the RS-485 Bus

YN-2209 Screw Terminal Definition：

1	DC9V	Power Input
2	G	RS-485 Isolation Side Gound
3	A	RS-485 Data+
4	B	RS-485 Data-

Application Wiring