

# YN-2216 RS-232 to RS-485 Isolated Converter

## Packing List

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

YN-2216	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 Protection:	RS-485: 600W TVS + PTC	RS-232: 600W TVS
Max. Load:	RS-485: 32	RS-232:1
Max. Distance:	RS-485: 4000ft (1200m) @ 19.2Kbps	
	RS-232: 40ft (12m) @ 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-2216 is a isolated converter for systems originally equipped with RS-232. It transparently converts RS-232 signals into isolated RS-485 signals. You don't need to change your PC's hardware or your software. The YN-2216 lets you easily build an industrial grade, long distance communication system with standard PC hardware.

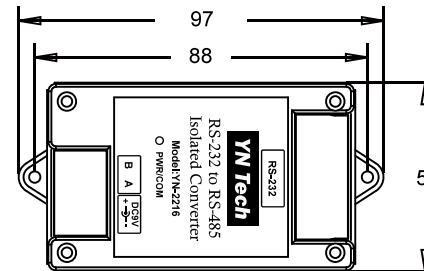
YN-2216's opto-isolators provide 1000 VDC isolation to protect the host computer from ground loops and destructive voltage spikes on the RS-485 data lines.

YN-2216 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-2216 dose noe require any external flow control signals. It also have power and data indicator for troubleshooting.

All this feature makes the YN-2216 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-2216 LED Indicator on the front panel:

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

YN-2216 Connector Definition :

1	DC9V	Power Input
2	A	RS-485 Data+
3	B	RS-485 Data-
4	RS-232	RS-232 Data

## Application Wiring

