

PL-SNet SERIAL PORT TO ETHERNET Converter

DESCRIPTION

PL-SNet uses ARM Cortex M3 microprocessor for implementing serial ports to Ethernet functions. It uses the state machine to handle TCP/IP stack and brings the user a lower cost TCP/IP stack with limited functions because of the limited resources.

It supports ARP, ICMP, TCP, UDP, IP, DHCP-Client and Modbus/TCP even HTTP protocols. You can use any browsers to set the parameters, or just use the commands in console mode.



FEATURE

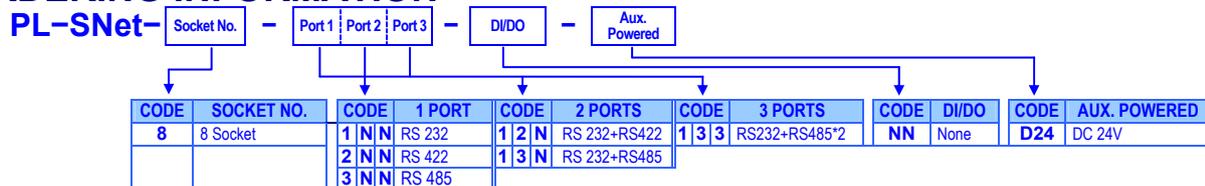
- Allows RS-232/422/485 serial devices to be connected to Ethernet network via transparent data conversion and operates as an Ethernet node. Serial communication speed is up to 230 kbps.
- At most three ports available.(please refer to ordering information)
- Eight Independent Sockets available. Support at most eight independent sockets for SIO, Digital I/O and HTTP and all protocol working independent and concurrently.
- Setup login in password and access password for security.

APPLICATIONS

It is easy to convert serial port data to Ethernet in IA, Factory Automation, Security or any other low data rate data transmission by using it as the intermediate converter.

- Data collection & security terminals
- Security devices
- Warehouse terminals
- Remote sensors & meters
- Environmental monitors
- Access control terminals
- Time recorders
- Shop floor automation terminals
- Power monitors
- Data loggers

ORDERING INFORMATION



TECHNICAL SPECIFICATION

CPU:	ARM Cortex M3 microprocessor
Network interface:	10/100 BASE-T, RJ-45 connector
Protocol:	ARP, ICMP, TCP, UDP, IP, DHCP Client, HTTP, Modbus/TCP Master/Slave,
Multi-socket:	PL-SNet-8: 8 socket
Serial ports:	RS-232 / RS-422 / RS-485, software selectable (When 1 Port applicable)
Protocol:	Baud rate: 300~230400 bps Data bits: 7, 8 Parity: None, Even, Odd Auto-ID scanners Stop bits: 1, 2 Flow control: RTS/CTS
LED indication:	SYS: Red high bright round LED Link: Green high bright round LED RX: Green high bright round LED TX: Red high bright round LED
Configuration:	Web Browser, Windows utility via Ethernet Set up password & Access password setttable

Power	
Power Supply:	DC 24V
Power consumption:	≤ 1W

Electrical	
Dielectric Strength:	3 KV, 1 minute; between Serial ports / RJ45 / Power
Insulation resistance:	≥100MΩ at 500Vdc, Between Serial ports / RJ45 / Power

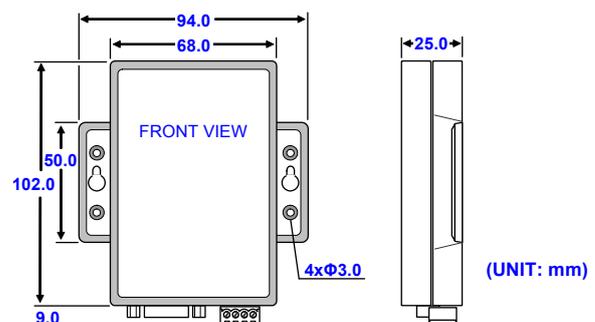
Environmental

Operating temp.:	0~60 °C
Operating humidity:	20~95 %RH, non-condensing
Storage temperature:	-10~70 °C

Mechanical

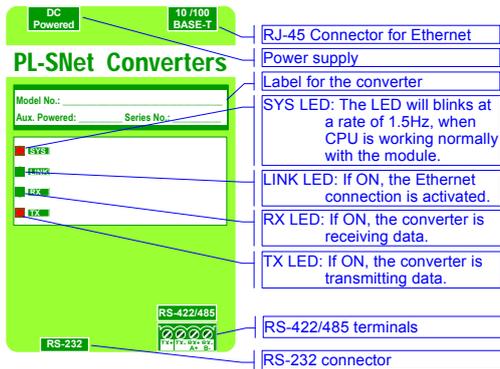
Case Material:	ABS fire-protection (UL 94V-0)
Mounting:	Surface mounting
Terminal block:	Plastic NYLON 66 (UL 94V-0)
Weight:	110g

DIMENSIONS

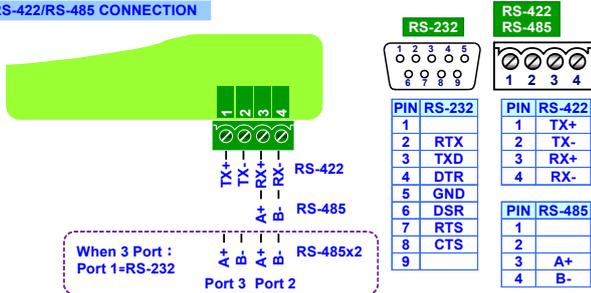


FRONT PANEL & CONNECTION

Please check the voltage of power supplied first, and then connect to the specified terminals.



RS-422/RS-485 CONNECTION



SET UP & CONFIGURATION

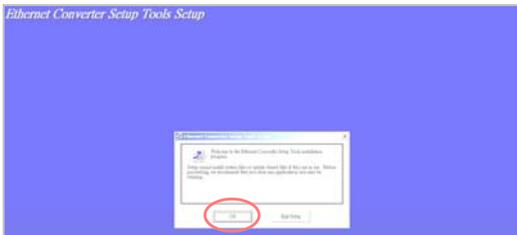
Please refer to the operating manual for detail.

By set up tool

Step 1: Execute the Setup.exe file of CDR enclosure with product. Execute the Setup.exe file and you will get the following screen



Step 2: Welcome Messages. Wait until the Welcome Message shows. Select OK Button to continue installation.



Step 3: Decide Directory. Choose "Change Directory" to change which directory you want to put files in if needed. And press red circle button to start installation.



Step 4: Decide Program Group Name. Input the "Program Group Name" you want, by just left it by default.



Step 5: Processing. Start installation process.

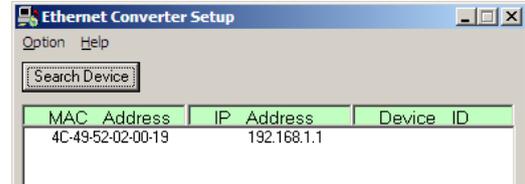


Step 6: Finished. Press Button to finish installation.

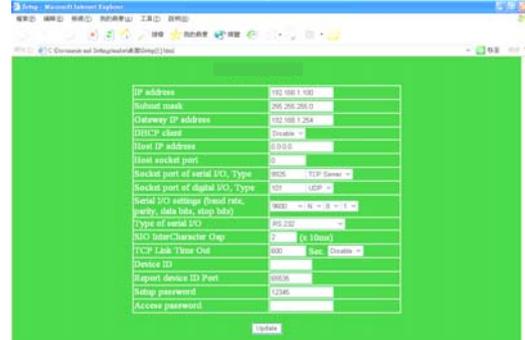


Connect the converter and Ethernet port of PC, then configure the converter

Step 1: Auto-searching the devices.
Step 2: Double click the selected item.



Step 3: Configure and update your parameters.

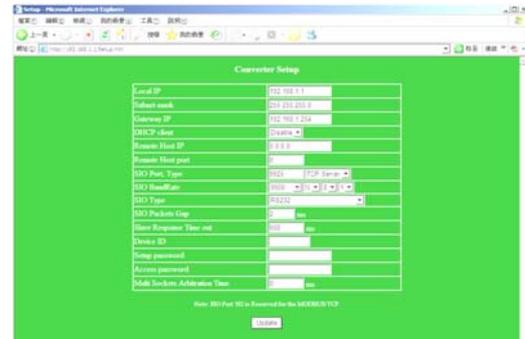


By Browser

Step 1: Ready to login.



Step 2: Configure your parameters.



Step 3: Finish and reboot.

