

PBH-154

(4-Port Serial to Ethernet/WLAN Converter)



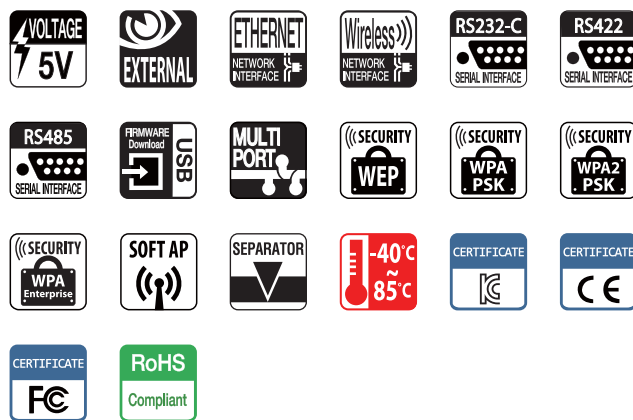
Overview

PBH-154是让没有TCP/IP功能的串口设备数据让其遵循有无线标准并转换为TCP/IP数据的有线联网服务器(Serial to Ethernet Converter) 或无线联网服务器 (Serial to WLAN Converter)。其不仅支持 RS232接口, 还是可以扩张为RS422/RS485接口的有4个串口端口的产品。支持-40℃~+85℃的工业级环境, 并且设计成防止过电压、逆电压、过电流的回路。PBH-154因支持网页设定可通过Soft AP功能, 具有即使没有AP也可通过智能手机或是笔记本电脑等移动设备可进行设定的特点。该产品还支持数据包分隔符设定功能, 可根据客户的通信环境适用。

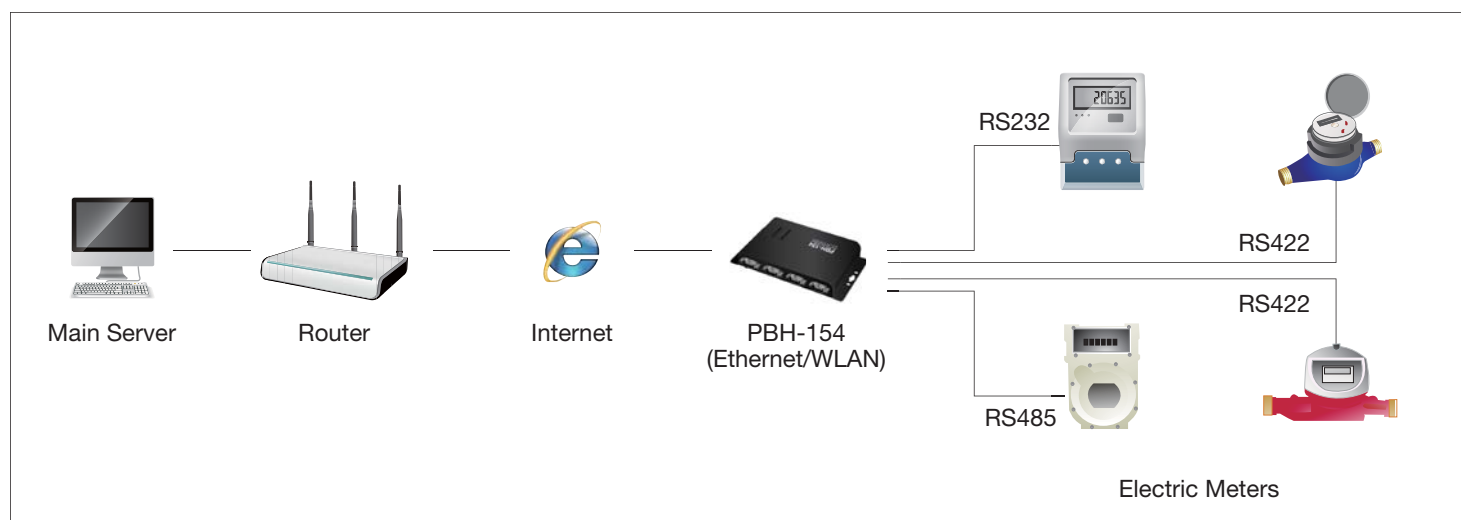
Highlights

- 将现有RS232/RS422/RS485串口设备连接到有线网络或是无线网络 (* 连接无线时需要无线联网模块)
- 支持4个RS232/RS422/RS485端口 (最大230,400bps, DB9-M 接口)
- 自适应10M/100M网络, 自适应1:1交叉网线
- IEEE 802.11 b/g
- 支持Infrastructure, Ad-hoc无线网络构成
- Soft AP (没有AP的情况通过智能手机或是笔记本电脑的设定及连接)
- 保安功能 (Password, WEP, WPA-PSK, WPA2-PSK)
- WPA Enterprise (EAP-TLS, EAP-TTLS, PEAP)
- 提供网页设定功能
- 工业级温度规格 (-40℃~+85℃)

Icons



Application



Specifications

Serial Physical Interface

Serial Interface	RS232 - RXD, TXD, RTS, CTS, DTR(Always ON), GND
	RS422 - TX+, TX-, RX+, RX-, GND with embedded 100K biasing resistors and TVS
	RS485 - TRX+, TRX-, GND with embedded 100K biasing resistors and TVS
Connector	9 pin D-sub male

Serial Port Properties

Baudrate	COM1, COM4 : 2,400bps ~ 230,400bps
	COM2, COM3 : 1,200bps ~ 230,400bps
Data Bits	8 bits, 7 bits with parity
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 2
Flow Control	RTS/CTS, Xon/Xoff

Network Interface

Ethernet	10Base-T or 100Base-TX (RJ45)
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
Wireless LAN	Ralink RT3070/5370 USB wireless LAN dongle required on the USB A Connector
	IEEE 802.11b/g Wireless LAN
	WEP, WPA-PSK, WPA2-PSK, WPA-Enterprise (EAP-TLS, EAP-TTLS, PEAP)

USB Interface

USB A Connector	Ralink RT3070/5370 USB wireless LAN dongle for Wireless LAN
USB B Connector	For PC connection to download firmware

Software Functions

Protocols	TCP, IP, HTTP, DHCP, ARP
	IEEE 802.11b/g, WEP, WPA-PSK, WPA2-PSK, WPA-Enterprise

Indicators (LEDs)

Power	Red
Status	Yellow
Serial TX (TCP)	Green
Serial RX (TCP)	Green

Supplementary Software

PHPoC Writer	Firmware Upgrade, Management
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Dimension

Size	180mm x 90mm x 24mm
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Operating Environment

Input Voltage	DC5V \pm 0.5V (DC jack or USB)
Current Consumption	Typically 235 mA
Power Protection	Reverse Voltage Protection, Surge Protection
Operating Temperature	-40°C ~ +85°C (without USB Wireless LAN adapter)
Storage Temperature	-40°C ~ +85°C (without USB Wireless LAN adapter)