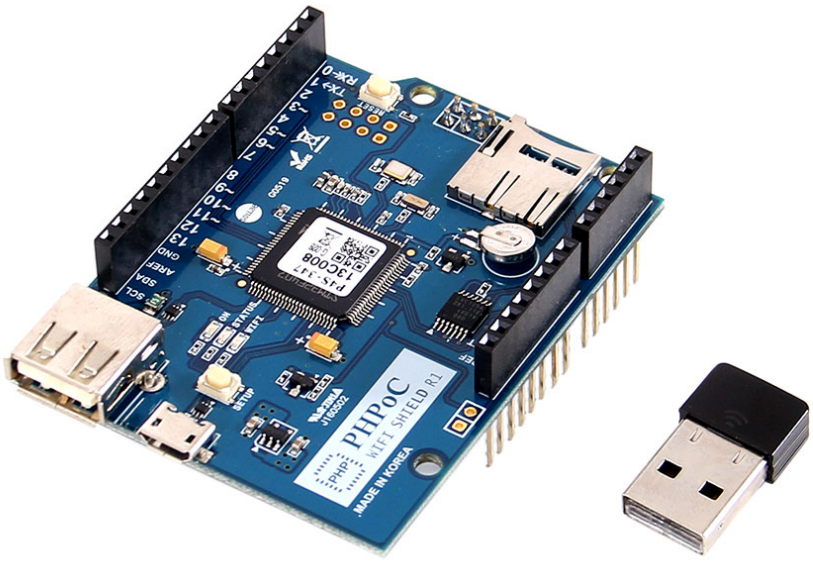
PHPoC WiFi Shield for Arduino



Description:

PHPoC WiFi Shield for Arduino is compatible with Arduino Uno or Mega products. Equip the shield on your Arduino and connect a USB wireless dongle. After a simple network setup, you can connect your Arduino to the Internet. In addition to the network function, PHPoC shield supports a wide range of API (TELNET, SSL, SSH, and web sockets). So take advantage of a wider range. In particular, a built-in web application provides easy web applications control and network setup. Also, you can monitor the output of Arduino serial monitor via Web from a remote location in real time.

Features:

- Two Different Networking Modes
- Web-controllable Application
- Easiest way of making a Web application
- E-mail Library
- RTC (Real-Time Clock)
- Various Communication Protocols
- Supports the next-generation Internet protocol-IPv6

Specifications:

Software

Classes	PhpocClient, PhpocServer, PhpocEmail, PhpocDateTime
Protocols	IPv4/IPv6 dual stack, ICMP/TCP/UDP DNS, Telnet, SMTP, HTTP, Web Socket
Securities	SSL Server/Client, SSH Server
Web Applications	WebSerialMonitor, WebRemoteControl(push/slide)
Setup	Web

Processor

Core	Cortex-M4 168MHz

Power Input

Input Voltage	5V ±10% (from Arduino Board)
Power Consumption	about 180mA (Wireless LAN, It could be changed according to USB dongle)

Network Interface

Wireless LAN	IEEE802.11b/g with a USB dongle Infrastructure, Soft AP, Ad-hoc WPA-PSK, WPA-Enterprise
Host Interface	SPI - ICSP, SS: 10(Arduino Uno), 53(Arduino Mega)

microSD

User Interface	SPI - ICSP, SS: 4
Card Type	Push-Pull Type

Buttons

RESET	Resetting PHPoC Shield
SETUP	Configuration and Factory Reset

RTC

Battery	Rechargeable Battery (5.8mAh)

LED

System LED	ON(Red), STATUS(Green), WIFI(Green), ETHERNET(Green)