

# CSW-H80

## (Serial WLAN Converter)



### Overview

CSW-H80 is a wireless LAN converter for serial devices.

This compact product helps your system add wireless network connectivity with just serial connection.

Applying this product, not only you can reduce cost and risk, but also you can shorten development time to add the network capability.

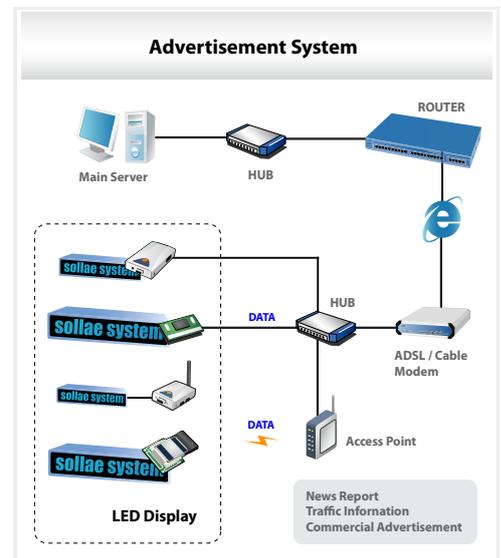
Because CSW-H80 allows to extend the distance of your serial communication system, you are able to remotely control and monitor the serial devices over the Internet anywhere you are.

Since CSW-H80 is designed to be connected with Wireless LAN, it can provide mobility to your system.

### Highlights

- RS232 to Wireless LAN Converter
- IEEE 802.11 b/g
- 2dBi dipole antenna
- SMA female socket for external antennas
- 1 x RS232 (up to 230,400bps, DB9-M interface)
- Security options (IP filtering, Password, WEP, WPA-PSK, WPA2-PSK)
- Flexible configuration and network communication by 'AT Commands' (patent)
- 4 Communication modes (TCP server, TCP client, AT Command and UDP)
- A variety of monitoring status (debugging mode, ezManager, Telnet)
- DHCP and PPPoE
- DNS (easy access using domain name)
- IP Change Notification for dynamic IP address management (DDNS/TCP,UDP)
- Telnet COM Port Control Option (RFC 2217)
- Firmware upgrade through Serial
- Powerful management software for Windows OS (ezManager)
- Virtual COM Port Redirector for Windows OS (ezVSP)
- Environmentally-friendly RoHS compliant

### Applications



## Specifications

### \*Serial Physical Interface

#### Serial Interface

1 x RS232 Port  
RXD, TXD, RTS, CTS  
±15KV ESD Protection

#### Connector

1xDB9M Connector

### \*Serial Port Property

#### Baudrate

300 bps ~ 230400 bps

#### Data Bits

5, 6, 7, 8 bits

#### Parity

None, Even, Odd, Mark, Space

#### Stop Bit

1, 1.5, 2

#### Flow Control

RTS/CTS Hardware

### \* Network Physical Interface

#### Network Interface

IEEE802.11b/g wireless LAN  
Supplied with dipole 2dBi Antenna  
SMA Female Connector for antenna

### \* Software Functions

#### Protocols

TCP, UDP, IP, ICMP, ARP, TELNET  
DHCP, DNS, DDNS, PPPoE  
Telnet COM Port Control Option (RFC 2217)

#### Security

WEP, WPA-PSK(TKIP), WPA2-PSK(AES)  
IP & MAC filtering - Restrict host or network  
Password for Configuring

#### Communication Mode

TCP server (T2S)  
TCP client (COD)  
TCP server/client with AT command (ATC) - Patent  
UDP mode (U2S)

#### Additional Functions

Remote Debug Function  
Sending MAC address Option

### \* Indicators(LEDs)

#### Power

Red

#### Status

Yellow, The current status

#### Wireless LAN Link

Green

#### Wireless LAN RXD

Yellow

#### Wireless LAN TXD

Green

### \* Processors

#### CPU

ARM7 Core

#### ROM

512K bytes Flash Memory

#### RAM

128K bytes SRAM

### \* Management

#### ezManager

Configuration and Monitoring through Ethernet and Serial

#### Telnet

Telnet Login

#### AT Command

Configuring in ATC mode - Patent

### \* Supplenetary Software

#### ezManager

Configuration Tool for Windows through WLAN and serial

#### ezVSP

Serial to Network Virtual Driver for Windows

#### ezTerm

Simple TCP/IP Communication Test Tool

#### wflash

Firmware Upgrade Utility for Windows through serial port

### \* Dimension

#### Size

93mm x 57mm x 24mm (without antenna)

#### Body Netweight

about 66g (without antenna), about 79g (with antenna)

### \* Operating Environment

#### Input Voltage

DC 5±0.5V

#### Power Consumption

300mA typical

#### Operating Temperature

0 °C ~ 55 °C

#### Storage Temperature

-40 °C ~ 85 °C

## System Diagram

