

CSW-H80

(Serial WLAN Converter)



Highlights

- Remote Monitor and Control serial devices
- Supports IEEE802.11b/g
- 2dBi dipole antenna (various types of antennas available)
- RS232 x 1 (up to 230,400bps, DB9-M interface)
- Security function : IP filtering, Password, WEP, WPA-PSK(TKIP), WPA2-PSK(AES)
- Flexible configuration and network communication by 'AT Commands' (patent)
- Supports communication with variety of TCP/UDP hosts(TCP Server/Client, UDP)
- Variety of communication status chekup(debugging mode, ezManager, Telnet)
- Supports DHCP for dynamic IP environment
- Supports 'DNS' protocol for simple connection to the Internet
- Supports Dynamic DNS(DDNS) : available as Server with dynamic IP environment
- IP Change Notification : useful with dynamic IP environment
- Telnet COM Port Control Option (RFC 2217)
- Easy configuration utility via network and serial for Windows OS (ezManager)
- Virtual COM Port Redirector 'ezVSP' for Windows OS(provided free of charge)
- Firmware is upgradable through the serial port
- Environmentally-friendly RoHS compliant

Overview

CSW-H80 is a wireless converter for serial devices.

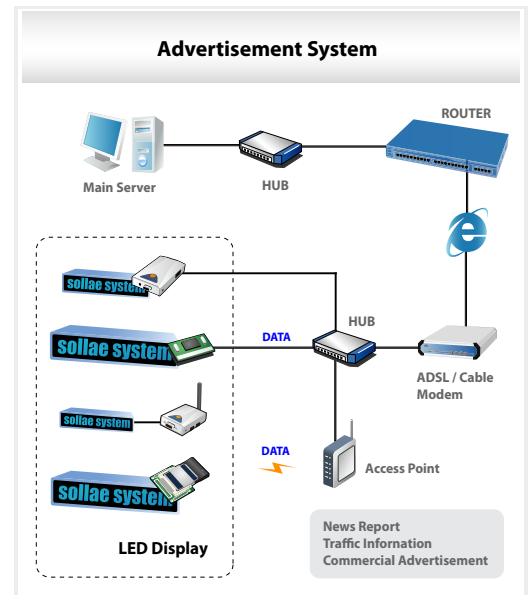
It adds network connectivity to your devices by processing TCP/IP protocol which is required to send and receive data over the Internet.

CSW-H80 also makes it possible to extend the distance of serial communications without any change of your legacy systems or replace direct serial connection.

This is a simple and easy way to bring the advantages of remote control and management to your serial devices.

By using CSW-H80, your devices can be wirelessly controlled, managed and monitored over the Internet.

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

* Suppletary 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

Storage Temperature

-40 °C ~ 85 °C

System Diagram

