

EasyWaytothe  
INTERNET

# CSW-H80



- 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
- 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 Trap feature : 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

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.



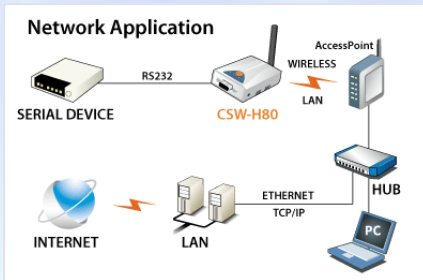
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## System Diagram



## Specifications

### \*Serial Physical Interface

**Serial Interface** : 1 x RS232 Port

RXD, TXD, RTS, CTS, DTR, DSR

±15KV ESD Protection

**Connector** : 1 x DB9M 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

Telnet COM Port Control Option (RFC 2217)

#### Security :

WEP

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

### \* 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**:



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