Serial WLAN Converter 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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ROUTER

ADSL / Cable

Access Point

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CSW-H80

Application Examples

Advertisement System

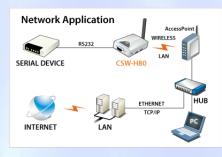
LED Display

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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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