CSW-H85K

(Serial to WLAN Converter)



Overview

As well as basic functions, CSW-H85K has contained more developed features in simple black design. It comes with Wireless RSSI and Soft AP mode, making it convenient and easier to manage your products. Also, it is embedded with the IPv4/IPv6 dual stacks that help you take the necessary steps to handle a transition to IPv6.

With an enhanced wireless encryption protocol (WPA-Enterprise), CSW-H85K is especially suitable for where maximum security is demanded. And finally, CSW-H85K has expanded the capability of serial interfaces (RS232/RS422/RS485) to broaden its application area.

Features

- IEEE 802.11 b/g
- Infrastructure and Ad-Hoc
- Wireless RSSI (Received Signal Strength Indication) Mode
- IPv6 (IPv4/IPv6 Dual stack, Autoconfiguration)
- Soft AP (Setting and connection through smartphones or laptops without an AP available)
- Setting up main parameters (IP, SSID and security functions related to WLAN) on the Web
- WPA-Enterprise (EAP-TLS, EAP-TTLS, PEAP)
- Security Options (IP Filtering, Password, WEP, WPA-PSK, WPA2-PSK)
- 2dBi Dipole Antenna, SMA Connector for External Antennas
- Various Interfaces for a Serial Port (RS232, RS422, RS485)
- Flexible Configuration and Network Communication by AT Commands (Patent)
- 4 Communication Modes (TCP Server, TCP Client, AT Command and UDP)
- A variety of ways to Monitor Communication Status (Debugging Mode, ezManager, TELNET)
- Support of DHCP for DSL and cable network
- DNS (Easy access using domain name)
- IP Change Notification for Dynamic IP Address Management (DDNS/TCP,UDP)
- TELNET COM Port Control Option (RFC2217)
- Powerful Management Software for Windows OS (ezManager)
- Virtual COM Port Redirector for Windows OS (ezVSP)
- Firmware upgrade through Serial

Icons













































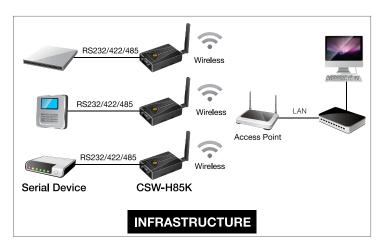
Specifications

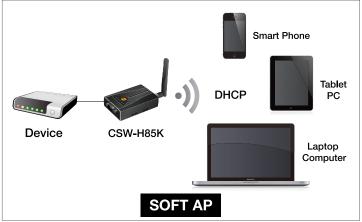
| Serial Physical Interface | | |
|---------------------------|--|--|
| Serial Interface | RS232 - RXD, TXD, RTS, CTS, GND | |
| | RS422 - RX+, RX-, TX+, TX-, GND | |
| | RS485 - TRX+, TRX-, GND | |
| | ±15KV ESD Protection | |
| | Serial Port Properties | |
| Baudrate | 300 bps ~ 230,400 bps | |
| Data Bits | 5, 6, 7, 8 bits | |
| Properties | None, Even, Odd, Mark, Space | |
| Stop Bit | 1,2 | |
| Flow Control | RTS/CTS Hardware | |
| | Network Physical Interface | |
| Wireless LAN Interface | IEEE802.11b/g Wireless LAN | |
| | Supplied with a Dipole 2dBi Antenna | |
| | SMA Connector for an Antenna | |
| | Software Functions | |
| WiFi Mode | Ad-Hoc, Infrastructure | |
| | Soft AP : WEP, Simple DHCP Server | |
| | IPv4/IPv6 Dual Stack, ICMPv6/TCPv6/UDPv6 | |
| Protocols | TCP, UDP, IP, ICMP, ARP, TELNET | |
| | DHCP, DNS, DDNS | |
| | TELNET COM Port Control Option (RFC 2217) | |
| Security | WEP, WPA-PSK, WPA2-PSK | |
| | WPA-Enterprise : EAP-TLS, EAP-TTLS, PEAP | |
| | 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 | Debug Function | |
| | Sending MAC address Option | |
| | Factory Reset | |
| | Wireless RSSI (Received Signal Strength Indication) Mode | |
| | Indicators (LEDs) | |
| Power | Red | |
| Status | Yellow, The current status | |
| Wireless LAN Link | Green | |
| Wireless LAN RXD | Yellow | |
| Wireless LAN TXD | Green | |

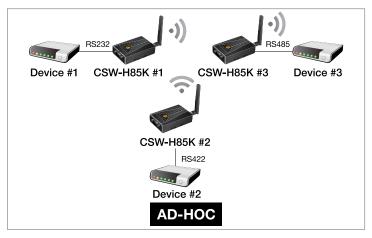
SOLLAE SYSTEMS E-mail : support@sollae.co.kr www.ezTCP.com

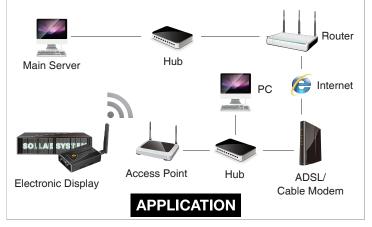
| Processor | |
|-----------------------|---|
| CPU | ARM7 Core |
| Management | |
| ezManager | Configuration and Monitoring through Network and Serial |
| TELNET | TELNET Login |
| AT Command | Configuring in ATC Mode - Patent |
| Supplenetary Software | |
| ezManager | Configuration Tool for Windows through Network and serial |
| ezVSP | Serial to Network Virtual Driver for Windows |
| ezTerm | Simple TCP/IP Communication Test Tool |
| Dimension | |
| Size | 88.5mm x 57mm x 23mm (Without an Antenna) |
| Body Netweight | Approximately 64g (Without an Antenna) |
| | Approximately 77g (With an Antenna) |
| Operating Environment | |
| Input Voltage | DC 5±0.5V |
| Power Consumption | 260mA Typical |
| Operating Temperature | -10℃ ~ +70℃ |
| Storage Temperature | -40°C ~ +85°C |

System Diagram









SOLLAE SYSTEMS E-mail: support@sollae.co.kr www.ezTCP.com