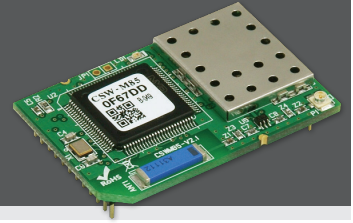


Data Sheet

CSW-M85 | Serial to WLAN Converter



Overview

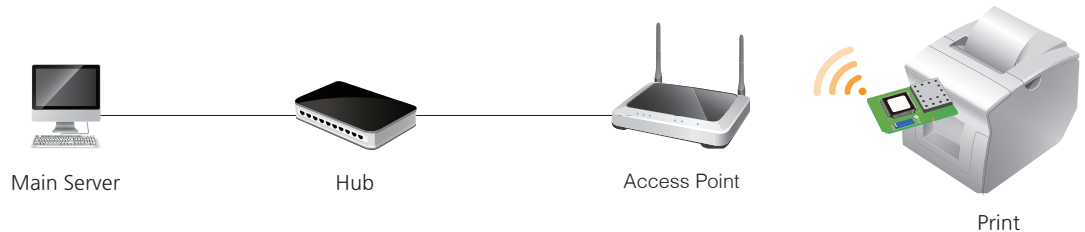
CSW-M85是模块型串口↔无线转换器。将CSW-M85连接到现有设备中，在不改变现有软件系统下可以方便的连接到网络。

另，内置了芯片型天线，不需另加天线即可使用，还可通过外置天线用Socket可另加天线使用。因此适用于客户多样的无线环境。

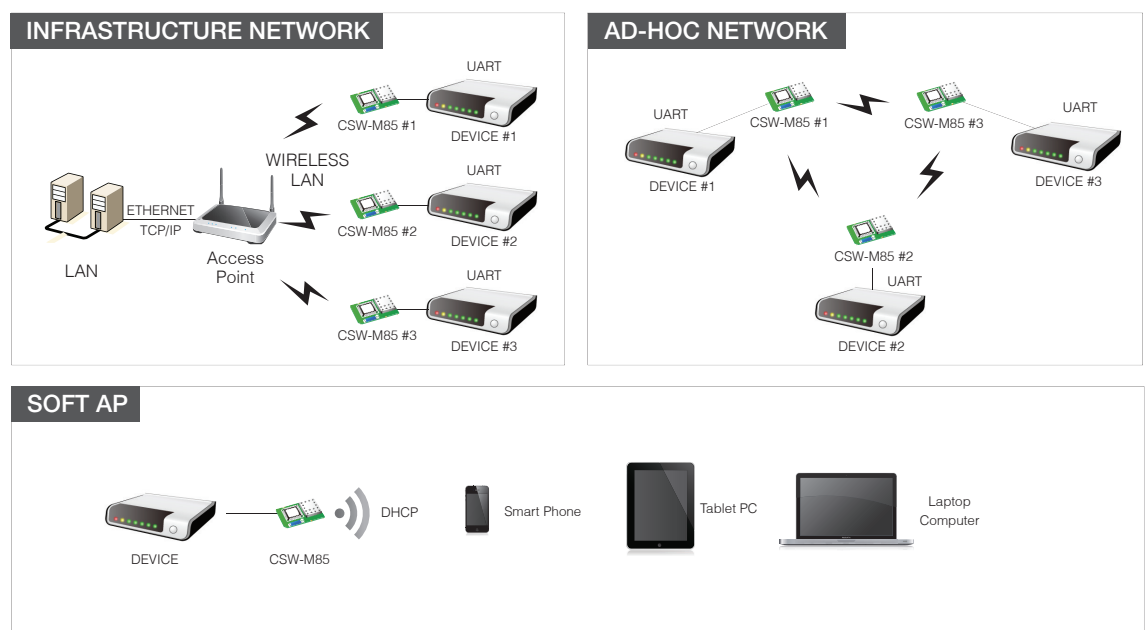
Features

- 1 x UART(3.3V level)
- 内置IEEE 802.11 b/g无线网络模块
- 内置芯片型天线, 连接外置天线用U.FL Socket
- IPv6 (IPv4/IPv6 双重协议栈)
- 自动设定Stateless/Stateful(DHCPv6)地址
- Soft AP (无AP的情况通过智能手机或是笔记本电脑设定及连接)
- 主要设定值(IP, SSID,无线安保相关功能)提供网络设定功能
- 无线网络信号级别(RSSI)模式
- 企业用WPA安保功能 (EAP-TLS, EAP-TTLS, PEAP)
- 安保功能(IP Filtering, Password, WEP, WPA-PSK, WPA2-PSK)
- 数据包分隔符设定功能

Application



System Diagram



Specifications

Serial Interface	
Serial Interface	1 x UART, 3.3V level with 5V tolerant input RXD, TXD, RTS, CTS, GND
Connector	1x12 2mm pitch header x 2
Serial Port Properties	
Data Rate	300bps ~ 230,400bps
Data Bits	5, 6, 7, 8 bits
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 2
Flow Control	None, RTS/CTS, Xon/Xoff
Network Physical Interface	
Wireless LAN Interface	IEEE802.11b/g wireless LAN Chip Antenna/U.FL Connector(Selectable)
Software Functions	
Protocols	IPv6: IPv4/IPv6 dual stack, ICMPv6/TCPv6/UDPv6
	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
	RSSI(Received Signal Strength Indication) Mode
Indicators (LEDs)	
Power	Red
Status	Yellow, The current status
Management	
ezManager	Configuration and Monitoring through Network and Serial
Telnet	Telnet Login
AT Command	Configuring in ATC mode - Patent
Supplementary Software	
ezManager	Configuration Tool for Windows
ezVSP	Serial to Network Virtual Driver for Windows
ezTerm	Simple TCP/IP Communication Test Tool
Dimension	
Size	40.0mm x 28.0mm
Operating Environment	
Input Voltage	DC 3.3V
Power Consumption	260mA typical
Operating Temperature	-10°C ~ +70°C
Storage Temperature	-40°C ~ +85°C