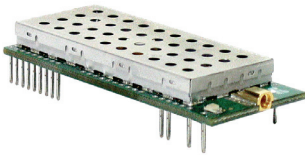


SocketWireless® Wi-Fi®

Embedded Serial-to-Wi-Fi Device Server



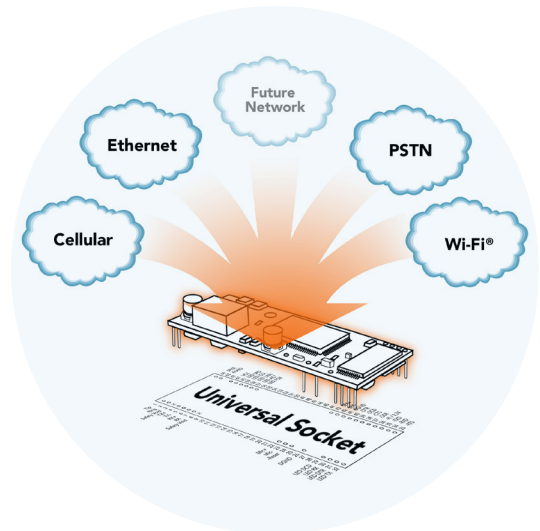
The SocketWireless® Wi-Fi® device server connects serial devices to an IP network via 802.11b wireless networking. It enables you to build wireless networking into virtually any device allowing for remote monitoring, control and configuration. The space efficient module (1" x 2.5") integrates a complete TCP/IP protocol stack, and can make your existing and next generation device, machine or system, IP-ready while you focus on developing its core features.

Features

- Complete serial-to-Wi-Fi wireless connectivity solution including network processor, media access controller and air interface
- Supports ad-hoc and infrastructure mode
- Wi-Fi security using WEP
- Serial interface supports DTE speeds to 230K bps
- Space efficient universal socket connectivity
- High performance processor runs ARP, DHCP client, DNS, FTP client, ICMP (ping), IP, POP3, SMTP, TCP and UDP protocols
- Two LED driver outputs for visual monitoring of link and activity
- Configuration and management via AT commands
- Flash memory to update firmware with the latest enhancements
- Developer's kit available for testing, programming and evaluation
- Two-year warranty

Universal Socket Benefits

- Interchangeable socket modules
- Quick-to-market
- Global approvals
- Easy migration to future networks



Highlights

Applications. The SocketWireless Wi-Fi device server will wirelessly IP-enable any device to provide remote monitoring, control and configuration of any system. It is ideal for:

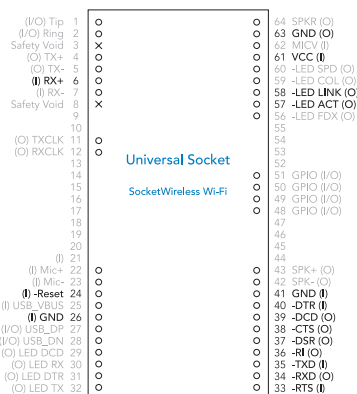
- Appliances
- ATM terminals
- Credit card and check verification systems
- Data collection
- Gas pumps
- Industrial and medical remote monitoring systems
- Point-of-sale terminals
- Remote diagnostics
- Remote metering
- Security systems
- Television set-top boxes
- Ticketing machines
- Vending/gaming machines

Serial-to-Wi-Fi Technology The SocketWireless Wi-Fi IP device server provides the powerful ability to IP-enable serial devices allowing more options for data acquisition, device management, and industrial control than would otherwise be available. The module integrates a processor, proprietary operating system, TCP/IP stack, and an 802.11b wireless network connection to provide a complete serial-to-Wi-Fi connectivity solution.

Quick-to-Market Solution. The complete, ready-to-integrate SocketWireless Wi-Fi device server is certified by the U.S. Federal Communications Commission (FCC). The FCC approval is portable across any solution for which the module is integrated, which means you can use the Multi-Tech license and bypass your own 802.11 regulatory product testing. This alone will save you valuable resources and dollars to allow you to focus on your product's core features, and accelerate your time-to-market.

Universal Socket Connectivity. Multi-Tech's universal socket is a flexible, comm-port architecture that provides cellular, Ethernet, PSTN or Wi-Fi network access with interchangeable modules. This means you can utilize one system design and populate it with your connectivity module of choice accommodating multiple connectivity requirements. In addition, you are assured a seamless migration to future technologies.

SocketWireless Wi-Fi Pin-Out. The SocketWireless Wi-Fi device server interfaces easily with existing products through a standard serial communication channel. The serial DTE channel is capable of transfer speeds to 230.4K bps and can be interfaced directly to a UART or microcontroller. The SocketWireless Wi-Fi device server also provides two LED driver outputs for visual monitoring of link and activity.



Developer's Kit. The Developer's Kit allows you to plug in the module and use it for testing, programming and evaluation. The kit includes one development board with RS-232 DB-25 connector, universal power supply, antenna and RS-232 cable.

Specifications

Wireless Specifications

Network Interface: IEEE 802.11b
 Frequency Range: 2.400 to 2.484 GHz
 Data Rate: 1, 2, 5.5, 11Mbps
 Maximum Transmit Power: 16 dBm
 Receiver Sensitivity: -82 dBm
 Security: 64/128 bit WEP
 Mode: Ad Hoc, Infrastructure
 Antenna Connector: MMCX

Serial Interface

Data Format: Serial, asynchronous, 3.3V-level signals
 Data Rate: Software selectable (1200 bps – 230K bps)

Power Requirements

3.3VDC or 5VDC

Power Usage

Typical – 400mA @ 3.3VDC, 240mA @ 5VDC

Network Protocol Support

ARP, DHCP client, DNS, FTP client, ICMP (ping), IP, POP3 client, SMTP client, TCP, & UDP protocols

Physical Description

2.541" L x 1.045" W x 0.680" H; 0.6 oz.
 (6.45 cm x 2.65 cm x 1.7 cm; 0.017 kg.)

Operating Environment

Temperature Range: -30° to +70° C

Approvals

Safety: UL 60950, cUL 60950, EN 60950, AS/NZS 6950:2000
 EMC: FCC Part 15 Subpart C, Canada, RSS-210, EN 300 328, EN 301 489-17

Ordering Information

| Product | Description | Region |
|------------|-----------------------------|----------|
| MT800SWM | 802.11b Device Server, 5V | Regional |
| MT800SWM-L | 802.11b Device Server, 3.3V | Regional |

Made in Mounds View, MN, U.S.A.

Features and specifications are subject to change without notice.

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课程网址: <http://www.edatop.com/peixun/rfe/110.html>

手机天线设计培训视频课程

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课程网址: <http://www.edatop.com/peixun/antenna/133.html>



WiFi 和蓝牙天线设计培训课程

该套课程是李明洋老师应邀给惠普 (HP) 公司工程师讲授的 3 天员工内训课程录像,课程内容是李明洋老师十多年工作经验积累和总结,主要讲解了 WiFi 天线设计、HFSS 天线设计软件的使用,匹配电路设计调试、矢量网络分析仪的使用操作、WiFi 射频电路和 PCB Layout 知识,以及 EMC 问题的分析解决思路等内容。对于正在从事射频设计和天线设计领域工作的您,绝对值得拥有和学习! ...

课程网址: <http://www.edatop.com/peixun/antenna/134.html>



CST 学习培训课程套装

该培训套装由易迪拓培训联合微波 EDA 网共同推出,是最全面、系统、专业的 CST 微波工作室培训课程套装,所有课程都由经验丰富的专家授课,视频教学,可以帮助您从零开始,全面系统地学习 CST 微波工作的各项功能及其在微波射频、天线设计等领域的设计应用。且购买该套装,还可超值赠送 3 个月免费学习答疑...

课程网址: <http://www.edatop.com/peixun/cst/24.html>



HFSS 学习培训课程套装

该套课程套装包含了本站全部 HFSS 培训课程,是迄今国内最全面、最专业的 HFSS 培训教程套装,可以帮助您从零开始,全面深入学习 HFSS 的各项功能和在多个方面的工程应用。购买套装,更可超值赠送 3 个月免费学习答疑,随时解答您学习过程中遇到的棘手问题,让您的 HFSS 学习更加轻松顺畅...

课程网址: <http://www.edatop.com/peixun/hfss/11.html>

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课程网址: <http://www.edatop.com/peixun/ads/13.html>



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- ※ 一直致力并专注于微波射频和天线设计工程师的培养,更了解该行业对人才的要求
- ※ 经验丰富的一线资深工程师讲授,结合实际工程案例,直观、实用、易学

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