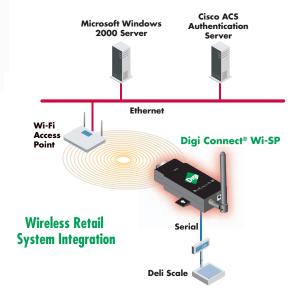


Digi Connect® Wi-SP

Wireless Device Server

The industry's first secure 802.11b wireless device server delivers leading network-to-serial connectivity and strong WPA2/802.11i security.



Features/Benefits

- > Compact enclosure design with integrated mounting tabs
- > Fully switch-selectable RS-232/422/485 high-speed serial interface
- > Flexible 9-30VDC power input
- Wireless 802.11b network interface with data rates up to 11 Mbps
- Industry's first secure wireless device server solution supporting enterprise-class WPA2/802.11i security
- Easy-to-use Digi plug-and-play firmware offers complete serial-to-network connectivty and unique product customization flexibility
- Strong SSL/TLS encryption with NIST-certified AES encryption for security sensitive environments
- > Digi's patented RealPort® technology for COM/TTY port redirection and control

Overview

the WPA2 and 802.11i standards.

The introduction of wireless technology into the rapidly emerging world of fully networked electronic devices creates a new dimension of device and software collaboration that complements existing wired infrastructures.

Built on leading NetSilicon® 32-bit NET+ARM technology, the Digi Connect Wi-SP wireless device server delivers a true plug-and-play device networking solution that combines the benefits of secure wireless networking technology with proven serial port connectivity. It is the ideal choice in retail, warehouse, healthcare and medical applications, allowing you to respond immediately to the ever-changing requirements and challenges that are crucial to the success of your business. For example, you may dynamically change and improve the layout of an existing retail or factory floor without the need for the time-consuming and costly installation and without the inflexibility of wired network infrastructures.

Whenever sensitive and business-critical data is involved, network security is a key requirement. The significant benefits of wireless technology often come with potential risks, and choosing the right product provides you with peace-of-mind and a competitive edge. The Digi Connect Wi-SP is the industry's first wireless device server to provide enterprise-class wireless security through a complete set of strong encryption and authentication services that are compliant with

The Digi Connect Wi-SP also offers unique features such as an easy user interface, product customization options, intelligent remote management and monitoring capabilities through the Digi Connectware® Manager device management software, and standard management interfaces including SNMP.

www.digi.com

Making DEVICE NETWORKING easy

Features/Specifications

HARDWARE EDS WIRELESS INTERFACE 32-bit NET+ARM high-performance Standard: IEEE 802.11b Power RISC processor (NS7520 55 MHz) Network link Frequency: 2.4 GHz 4 MB Flash and 16 MB RAM Activity Data rate: Up to 11 Mbps with Switch-selectable RS-232/422/485 automatic fallback interface (DB-9M) Modulation: CCK (11/5 Mbps), WIRELESS Throughput up to 230,400 bps DQPSK (2 Mbps), DBPSK (1 Mbps) SECURITY - 7/8 data bits Transmit power: 16 dBm typical - 1/1.5/2 stop bits Receive sensitivity: WEP (Wired Equivalent Privacy) -82 dBm @ 11 Mbps - None/even/odd parity 64/128-bit encryption (RC4) Antenna connector: 1 x RP-SMA Full signal support with WPA/WPA2/802.11i software/hardware flow control 128-bit TKIP/CCMP 802.11b wireless LAN interface encryption ENVIRONMENTAL Infrastructure (BSS) and Ad-Hoc 802.1X EAP authentication Mode (IBSS) ° Dynamic WEP, LEAP (WEP Storage temperature: Flexible 9-30VDC power supply only), PEAP, EAP-TLS, -40° C to +90° C (-40° F to 194° F) **EAP-TTLS** Operating temperature: ° PEAP/MSCHAPv2, SOFTWARE FEATURES -20° C to +65° C (-4° F to 149° F) PEAP/TLS, PEAP/GTC, Relative humidity: PEAP/OTP, PEAP/MD5, Robust on-board TCP/IP stack with 5% to 90% (non-condensing) EAP-TTLS/EAP-MD5. built-in web server Altitude: 12,000 feet (3658 meters) EAP-TTLS/EAP-GTC, Universal IP address assignment EAP-TTLS/EAP-OTP, - Static IP, DHCP, Auto-IP EAP-TTLS/EAP-MSCHAPv2, REGULATORY Dynamic DNS support (DHCP Option 12) EAP-TTLS/EAP-TLS, APPROVALS Secure web user interface (HTTP/HTTPS) with EAP-TTLS/MSCHAPv2. context-sensitive online help EAP-TTLS/MSCHAP, • FCC Part 15, Subpart B EAP-TTLS/PAP, Pre-defined and custom device profiles ICES-003 **FAP-TTI S/CHAP** Customizable web interface with optional EN55022:1998, Class B Enterprise and Pre-Shared Java applet support Key (PSK) mode EN301 489-3:2002, Class B - File system w/512 kb user space FCC Part 15, Subpart C, Class B Telnet command line interface Canada RSS 210 (Wireless) Modem emulation and port logging AS/NZS CISPR 22:2002, Class B Serial configuration interface VCCI V.3/2001.04, Class B - Command line, XML Remote Command Interface (RCI) EN 300 328 V1.4.1 2003-04 User-defined network service/port configuration HTTP/HTTPS, Telnet, Rlogin, Advanced Digi Discovery Protocol (ADDP), EN55024 SNMP, RealPort, SSL/TLS, TCP/UDP EN 301 489-3 V.1 4.1:2002 IEC/EN 60950-1 (2001) · TCP/UDP forwarding characteristics UL/CUL 60950-1 - Bytes, idle time, data pattern • User-configurable TCP/UDP Socket ID POWER Data pattern event notification via email/SNMP traps REQUIREMENTS Intelligent SNMP device management Strong SSL/TLS based encryption 9-30VDC @ 450 mA DES (56-bit), 3DES (168-bit), AES (128/256-bit) Patented RealPort COM/TTY port redirection for Microsoft Windows®, **UNIX** and Linux MODEL.....PART NUMBERS DIMENSIONS Model

Digi Connect Wi-SP

North America DC-WSP-01-S

International DC-WSP-01-S-W

Please visit our website for a complete list of available part numbers.

DIGI SERVICE AND SUPPORT

You can purchase with confidence knowing that Digi is here to support you with expert technical support and a strong five-year warranty. http://support.digi.com

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Length: 4.188 in (10.64 cm)

Width: 1.680 in (4.267 cm) Depth: 0.999 in (2.537cm)

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