

STANDARD AND  
CUSTOMIZABLE  
SERIAL SERVER



# DIGI CONNECT® SP

Compact serial server delivers a powerful off-the-shelf hardware platform for standard plug and play applications or embedded networking solutions

More and more, electronic devices used in all types of commercial applications are being network-enabled so that data from those devices can be accessed, evaluated and utilized in real time. The Digi Connect SP device server is a simple and cost-effective solution for migrating electronic devices to this emerging world of networked device collaboration.

Built on Digi's 32-bit NET+ARM technology, the Digi Connect SP provides a powerful off-the-shelf hardware platform for standard plug and play device networking as well as custom

network applications. The award-winning NET+ARM architecture provides a seamless migration path to embedded modules and a fully-integrated system-on-a-chip solution.

The Digi Connect SP also provides an easy user interface, product customization options, intelligent remote management and monitoring capabilities through Digi Remote Manager<sup>SM</sup>, full IPv6 support and standard management interfaces including SNMP.

## BENEFITS

- Off-the-shelf hardware platform for standard or custom network applications
- Compact enclosure design with integrated mounting tabs
- RS-232 or switch-selectable RS-232/422/485
- Flexible 9-30 VDC power input
- Product customization options
- SSL/TLS with NIST-certified AES encryption for security sensitive environments
- Digi's patented RealPort<sup>®</sup> with encryption for COM/TTY port redirection and control
- Support for IPv6, SNMP, SSHv2 and Digi Remote Manager

## APPLICATION EXAMPLE



## RELATED PRODUCTS



Digi Connect<sup>®</sup>  
Wi-SP



PortServer<sup>®</sup>  
TS



PortServer<sup>®</sup>  
TS MEI



ConnectPort<sup>®</sup>  
TS 8/16



RealPort<sup>®</sup>

## CUSTOMIZABLE FIRMWARE MODELS

The Digi Connect SP device server is the ideal platform for custom web- and network-enabled applications. It eliminates the hardware design effort and delivers a true device networking solution that is powerful enough to meet your future performance requirements.

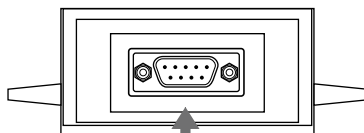
Based on Digi's NET+OS® development platform, it delivers the integrated building blocks and tools to quickly and cost effectively create flexible and secure embedded applications for integrated, high-performance web and networking solutions.

## STANDARD FIRMWARE MODELS

The Digi Connect SP delivers a true plug-and-play device networking solution that combines a compact form factor with proven serial port connectivity. Compared to the similarly-sized Digi One® SP, the Digi Connect SP provides a more extended operating temperature range, IPv6 support, the ability to issue automated email alerts and SNMP traps, and unique product customization capabilities. These and other features make the Digi Connect SP an attractive solution for a broad range of applications in retail/POS, manufacturing, building security, government and medical.

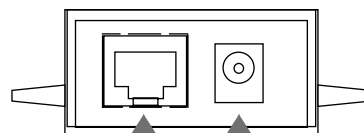
SPECIFICATIONS		Digi Connect® SP	
<b>HARDWARE</b>			
PROCESSOR TYPE	32-bit NS7520		
PROCESSOR SPEED	55 MHz		
MEMORY BASE POPULATION	4 MB Flash / 16 MB RAM		
LEDS	Network link, Ethernet activity, Power (red)		
DIMENSIONS (L X W X H)	3.876 in x 1.680 in x 0.999 in (9.846 cm x 4.267 cm x 2.537 cm)		
WEIGHT	2.29 oz (6.50 g)		
<b>INTERFACES</b>			
SERIAL	RS-232 or switch-selectable RS-232/422/485 serial interface (DB-9M connector); Throughput up to 230,400 bps; 5/6/7/8 data bits; 1/1.5/2 stop bits; None/even/odd parity; Full signal support with software/hardware flow control		
ETHERNET	Auto-sensing 10/100 Mbit Ethernet interface and network link		
<b>POWER REQUIREMENTS</b>			
POWER INPUT	9-30VDC @ 370 mA		
POWER SUPPLY (INCLUDED)	North America: 120VAC; International: 90-264 VAC		
<b>ENVIRONMENTAL</b>			
OPERATING TEMPERATURE	0° C to 60° C (32° F to 140° F)		
STORAGE TEMPERATURE	-40° C to +90° C (-40° F to +194° F)		
RELATIVE HUMIDITY	5% to 90% (non-condensing)		
ALTITUDE	12,000 feet (3,658 meters)		
<b>REGULATORY APPROVALS</b>			
SAFETY	CSA 22.2 NO. 60950, EN 60950, UL60950		
EMISSIONS/IMMUNITY	FCC Part 15 Class A, EN55022, EN5J024, VCCI, AS 3548		

DIGI CONNECT SP - FRONT



DB-9M Serial

DIGI CONNECT SP - BACK



Ethernet Power

PART NUMBERS	DESCRIPTION
<b>UNITS FOR NET+OS APPLICATIONS</b>	
DC-SP-01-C	Digi Connect SP (single-unit pack w/power supply)
DC-SP-01-C-25	Digi Connect SP (25-unit pack w/power supply)
DC-SP-01-C-W	Digi Connect SP (single-unit pack w/power supply) (International)
DC-SP-01-C-W-25	Digi Connect SP (25-unit pack w/power supply) (International)
<b>UNITS WITH DIGI PLUG-AND-PLAY FIRMWARE</b>	
DC-SP-01-S	Digi Connect SP (single-unit pack w/power supply)
DC-SP-01-S-25	Digi Connect SP (25-unit pack w/power supplies)
DC-SP-01-S-W	Digi Connect SP (single-unit pack w/power supply) (International)
DC-SP-01-S-W-25	Digi Connect SP (25-unit pack w/power supplies) (International)