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IOLAN SDG W Serial Device Servers

Wireless LAN Serial to Ethernet

- High performance WLAN (Wi-Fi ®) : Dual band radio supporting IEEE 802.11 a,b,g,n
- Wireless speeds up to 150Mbps
- 1, 2 or 4 software selectable RS232/422/485 serial port interfaces
- High-Speed Gigabit Ethernet (10/100/1000 Base-T)
- Advanced security features for data encryption, user authentication and event management
- Wireless Infrastructure and peer to peer connectivity modes

Get a quote

Product question?

| Overview | Features | Hardware Specs | Application Diagrams | Documentation | Ordering Details |

For secure, High-Speed serial to Ethernet connectivity over wireless LAN applications, the IOLAN SDG W Device Server is the most advanced compact product available on the market today. Delivering high performance in a compact size, an IOLAN SDG W offers a support for a broad range of high performance Wireless LAN technology, extensive security, flexibility and next generation IPv6 technology making it ideal for applications that require remote serial device/console management, data capture or monitoring.

Why IOLAN SDG Wireless Device Servers are the preferred choice:

- Broad range support of Wireless LAN Technology: IEEE 802.11 a,b,g,n @ 2.4Ghz/5Ghz
- Fast wireless – speeds up to 150Mbps
- High-Speed Gigabit Ethernet 1000base-T interface including support for 100base-TX and 10base-T
- As a wireless client proxy, provides wireless connectivity to central access points for serial and ethernet devices
- Can provide a direct serial to serial peer connection over wireless
- Software Access Point (SoftAP) for up to 6 wireless clients.
- Fast Wireless Roaming capability is ideal for mobile applications where the IOLAN can transparently roam between APs (Access Points) that share the same ESS (Extended Service Set)
- Redundant dual power inputs (barrel and terminal block)
- TrueSerial® packet technology delivers the most authentic serial connections across Ethernet for serial protocol integrity
- Indicators for network and serial interfaces for easy troubleshooting
- Plug & Play installation utility eliminates configuration hassles for all IOLAN's on your IP network
- TruePort – Perle's com/tty redirector for serial based applications operates on Windows, Vista, Linux, Solaris, SCO and Unix
- Next Generation IP support (IPv6) for investment protection and network compatibility
- Compact and protective solid steel enclosure for tabletop, wall mount or DIN rail mounting
- Java-free browser access to remote serial console ports via Telnet and SSH
- Ping watchdog probes enable customers to power cycle equipment with attached Perle RPS power switches in the event of an unresponsive networking gear

Secure Serial to Ethernet Connectivity

The **IOLAN SDG Wireless Device Server** enables administrators to securely access remote serial console ports on equipment such as PBX, servers, routers, network storage equipment and security appliances through an IP network. Sensitive data such as credit card holder information is protected through standard encryption tools such as Secure Shell (SSH) and Secure Sockets Layer (SSL). Access by authorized users is assured via authentication schemes such as RADIUS, TACACS+, LDAP, Kerberos, NIS and RSA Security's SecurID tokens.

By using encryption technologies, an IOLAN can protect sensitive and confidential data from a serial device such as a credit card reader before being sent across a corporate Intranet or public Internet. For compatibility with peer encryption devices, all of the major encryption ciphers such as AES, 3DES, RC4, RC2 and CAST128 are fully supported.

Recognized as the most secure method for communicating to remote private networks over the Internet, the IPSec standard provides robust authentication and encryption of IP packets at the network layer of the OSI model. As a standard it is ideal for multi-vendor interoperation within a network providing flexibility and the ability to match the right solution for a particular application.

IOLAN Device Server Plug-ins

By choosing a Perle IOLAN Device Server you can rest assured that virtually any device with a serial COM port will operate in conjunction with your desired application exactly as it did when you had it directly connected. In the unlikely event that the Perle IOLAN Device Server does not enable this out of the box, *Perle will make it work*.

Perle IOLAN Device Servers utilize customer installable "[Device Plug-ins](...)" to successfully network devices where other solutions have failed. [Request a free engineering consultation now](...).

Advanced IP Technology

With support for Next Generation IP (IPv6) the **IOLAN Serial to Ethernet Device Server** range provides organizations with investment protection to meet this rapidly growing standard.

Demand for IPv6, which is compatible with IPv4 addressing schemes, is driven by the need for more IP address. With the implementation and rollout of advanced cellular networks, a robust method is needed to handle the huge influx of new IP addressable devices on the Internet. In fact, the US Department of Defense has mandated that all equipment purchased be IPv6 compatible. In addition, all major Operating Systems such as Windows, Linux, Unix and Solaris, as well as routers, have built-in support for IPv6.

It is therefore important for end users and integrators to select networking equipment that incorporates the IPv6 standard. The IOLAN line with support for IPv6 already built in, is the best choice in serial to Ethernet technology.

Flexible and Reliable Serial to Ethernet Connections

An **IOLAN SDG W Device Server** is ideal for wirelessly connecting serial based COM port, UDP or TCP socket based applications to remote devices. Perle's [TruePort re-director](...) provides fixed TTY or COM ports to serial based applications enabling communication with remote devices connected to Perle IOLAN's either in encrypted or clear text modes. You can also tunnel serial data between devices across an IP network.

Perle's Device Management software provides better centralized control of multiple units resulting in maximum uptime for your remote equipment.

All IOLAN SDG W models have added protection against electrostatic discharges and power surges with robust 15Kv ESD protection circuitry enabling organizations to utilize this solution in the field with confidence.

Lifetime Warranty

All **Perle IOLAN SDG Serial to Ethernet Device Servers** are backed by the best service and support in the industry including Perle's unique lifetime warranty. Since 1976 Perle has been providing its customers with networking products that have the highest levels of performance, flexibility and quality.

Wi-Fi is a registered trademark of Wi-Fi Alliance Corporation

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- [Products](...)
- [Applications](...)
- [About Perle](...)

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- [How to Buy](...)
- [Technical Support](...)

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