


[ProductsDevice Server](#) PoE IEEE 802.3af Compliant

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IOLAN SDG P Secure Device Servers

PoE Device Servers



- 4 or 8 software selectable RS232/422/485 serial port interfaces
- 802.3af Power over Ether (PoE) compliant
- 10/100/1000 Ethernet
- Advanced security features for data encryption, user authentication and event management

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For **secure serial to Ethernet** connectivity applications the utilize [Power over Ethernet \(PoE\)](#) sources, the **IOLAN SDG PoE Device Server** is the most advanced compact product available on the market today. Delivering high performance in a compact size, an IOLAN SDG P offers extensive security, flexibility and next generation IPv6 technology making it ideal for applications that require remote device/console management, data capture or monitoring.

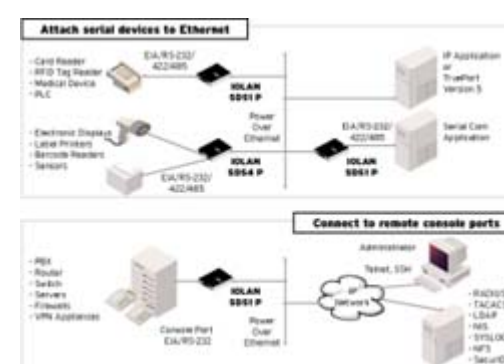
The **IOLAN SDG P Device Server** has full PoE support and operates as a Powered Device under IEEE 802.3af supporting end-span and mid-span power sources (PSE). Some other serial device servers that claim compliancy with 803.2af are in fact restricted to using mid-span power sources - buyer beware.

The IOLAN SDG P also has Inrush Current Protection to protect the device from input current rushes that may occur during power up. With this protection the **IOLAN SDG PoE Device Server** begins with a low current draw stage to protect the power sourcing device (PSD), and then switches to a high current stage allowing the IOLAN SDG P to draw its required power up a maximum 12.95 watts.

The **IOLAN SDG PoE Device Server** is ideal for organizations that need to deploy equipment in locations that are difficult or too costly to have separate AC power installed such as ceilings, walls and kiosks.

Why IOLAN SDG PoE Device Servers are the preferred choice:

- Powerful processors for the best throughput and performance on the market
- [Power over Ethernet \(PoE\)](#) support - Operates as a Powered Device under IEEE 802.3af supporting end-span and mid-span power sources (PSE). Inrush Current Protection for continuous operation.
- [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
- [FIPS 140-2](#) – Cryptographic modules meet US Government NIST compliancy
- Power over serial cable eliminates costs of a separate power installation
- 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 PoE 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 choosig 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 PoE Device Server** is ideal for 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 SDGP 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 PoE 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.



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