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# IOLAN DG1 and TG2 Device Servers

## Serial to Ethernet Device Servers



- 1 or 2 serial Ports
- Software selectable RS232/422/485 or fixed RS232 serial port interface
- 10/100 or 10/100/1000 Ethernet
- Extended temperature model available

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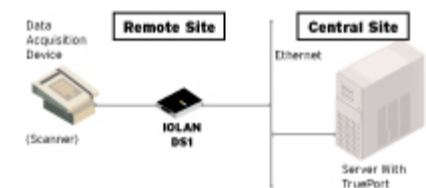
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The **IOLAN DG/TG Device Server** is the best choice for simple **serial to Ethernet** connectivity applications. Delivering a cost effective solution in a compact size, the IOLAN DG/TG offers flexibility and advanced [TrueSerial®](#) technology making it ideal for applications that require an authentic serial connection across an Ethernet network. **IOLAN DG1 Device Servers** are also available with support for [Extended Temperature Ranges](#).

## IOLAN Device Server Features and Benefits

- [TrueSerial®](#) delivers the most authentic serial connections across Ethernet
- Powerful processors for the best throughput and performance on the market
- Indicators for network and serial interfaces for easy troubleshooting
- Plug & Play installation utility eliminates configuration hassles for all IOLANs on your IP network
- TruePort software provides true remote serial ports over an Ethernet LAN
- [Share a serial port with multiple TCP or UDP servers](#)
- [Software Development Kit](#) available to develop powerful custom applications
- Power over serial cable models eliminate 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



## Flexible and Reliable Serial to Ethernet Connections

The IOLAN DG/TG 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 server based applications enabling communication with remote devices connected to Perle device servers. You can also tunnel serial data between devices across an IP network.

Easy to set up and manage, the IOLAN has a software selectable RS-232/422/485 interface capability which simplifies setup and eliminates mechanical tampering associated with DIP switch based products.

Perle's Device Management software, shipped as standard with the IOLAN DG/TG, provides better centralised control and management of multiple units resulting in maximum uptime for your remote equipment. Protection against electrostatic discharges and power surges is provided on the IOLAN DG/TG with its robust 15Kv ESD protection circuitry enabling organizations to utilize this solution with confidence.

## IOLAN Device Server Plug-ins

Backed with the experience of connecting hundreds of thousands of different devices to Ethernet over the years, using a Perle 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. If the unlikely event occurs that the Perle 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 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.

## Lifetime Warranty

The **Perle IOLAN DG/TG Device Server** is 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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