# Perle IOLAN+
## Serial/Access Servers

## Serial/Access Servers to capture, monitor, transfer or display data anywhere on an Ethernet LAN

### Key Features & Benefits

- 2, 4, 8, or 16 surge protected serial ports with a maximum speed of 115.2 Kbps give unrivalled flexibility in network design and deployment

- Support for modems, terminals, printers and other serial devices for ease of integration

- TCP/IP-based protocols include Telnet, PPP, SLIP and CSLIP for interoperability

- Dial-in and dial-out support for UNIX, Linux and Windows-based networks provide seamless remote access

- Compact, desktop, wall, or rack mount models meet all installation requirements

- Free firmware upgrades via FLASH memory for easy upgrades

### Applications

- Remote access to a corporate LAN for home and mobile workers

- Manufacturing process control

- Banking and other financial front desk systems

- Providing Internet service

- Clustering terminals, printers and modems onto a LAN

- Dial-out pooling for modems

- Warehousing and Point of Sale (POS)

- Remote Management of any hardware with console ports

The Perle IOLAN+ range IP serial servers are designed to excel in both terminal server and remote access applications, providing users with the best serial to IP solution for distributed Windows and Unix environments.

They can be used wherever serial devices need to be connected to a LAN. The units are available in 2, 4, 8 or 16 port versions with a range with DB25 or RJ45 presentation options. Each serial port is capable of continuous bi-directional speeds of 115.2 Kbps. Both RS232 and RS422 models are available.

The IOLAN+'s advanced communication server functionality caters to the most demanding network environments. Included is PPP dial-in support for WINS, support, user authentication and accounting, dial-out pooling automatic modem reset and dial on demand IP routing. Terminal server functionality includes Telnet, rlogin, up to four concurrent sessions per device, and a menu driven interface. Ports can be configured individually for dedicated connections to a pre-defined host, or a pre-configured Host Table can be used.

Used for remote printer connection, the IOLAN+ supports RCP and LPD protocols used in UNIX and Microsoft server environments. In addition, printer hunt groups are supported. Printers and other devices can also be configured as local (fixed) TTY's or COM ports on UNIX or Windows servers with driver software supplied as standard.

User authentication allows users to be restricted to specific services (Telnet/PPP) or hosts (Telnet), and also provides user-based IP address assignment. User profiles can be maintained on a central host. Security is further enhanced with TCP whitelist filtering and a multi-level password system.

Every IOLAN+ is supplied with a comprehensive, easy to use Administration Guide, together with a Quick Start guide. IOLAN+ set-up can be performed in a matter of minutes using a simple menu interface via on a directly connected console. IOLAN+ also supports BOOTP and Reverse ARP for set-up across the LAN. IOLAN+ assists setup by stepping through the additional configuration options including port profiles, remote sites, security, and PPP configuration.

The Perle IOLAN+ can be managed either on a local console using SNMP or via Telnet from anywhere on the network. SNMP support includes MIB II, Character MIB, Sessions MIB and Perle specific enterprise variables.

A comprehensive statistics monitoring system is provided, including network activity by protocol, port connect times and traffic throughput and volumes.

The world class security and administration features of the IOLAN+ are provided on three levels:
- Dial-in User Authentication
- User Services
- Logging

All three security levels can be accomplished without the need to set up a RADIUS server. Administrators are able to verify valid users, limit user access and for accounting purposes, log all users who dial-in to the unit.

Perle's technical support specialists provide worldwide multilingual support to resellers, System Integrators, VARs and end users.

## perle
### Essential Network Connectivity

# Technical Specifications

## Serial Ports

- 2, 4, 8 or 16 RS232 ports (optional RS422 for IOLAN+Rack and IOLAN+102/104)
- Full modem control
- 50bps...115Kbps
- DB25 connectors: IOLAN+
- RJ45 connectors: IOLAN+Rack, IOLAN+102/104

## Serial Port Signals

CTS, RTS, DSR, DTR, DCD, Rx, Tx

## Ethernet

Single port, 803.3 compliant 10BaseT, 10Base2, and 10Base5 connections (10BaseT only on IOLAN+102/104)
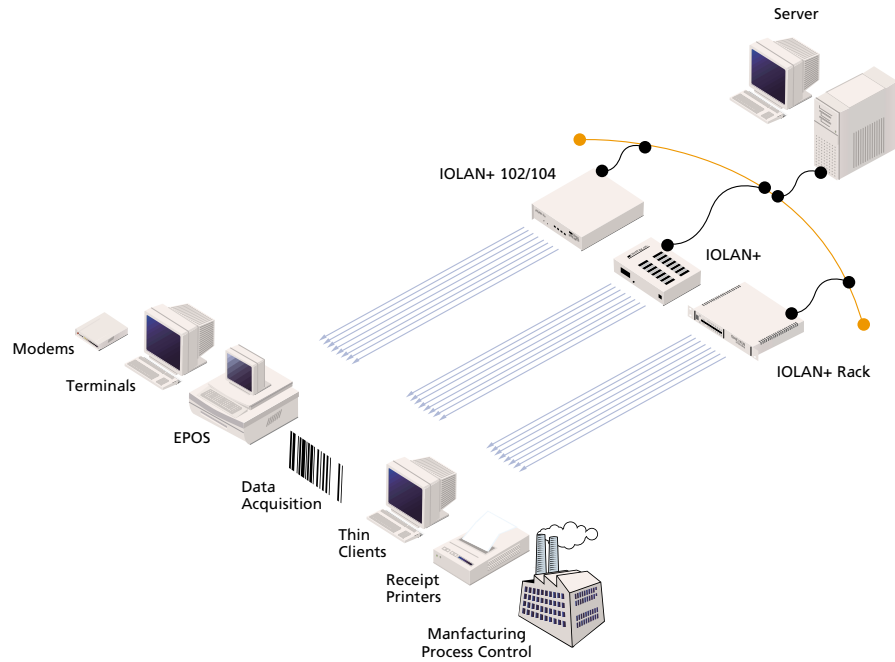
## Network Protocols

TCP/IP, UDP, ICMP, Bootp, TFTP, Telnet, rlogin, raw, reverse Telnet, PPP, SLIP, CSLIP, LPD, RCP, DNS, WINS

## Management

SNMP, MIB II, Character & Perle Enterprise variables, Telnet, shared console port.

## Modem Support

Full bi-directional

## Memory

Flash based for firmware and configuration information

## Power Supply

47/63Hz 110-230V AC +-10%, 30W. Optional 48V DC rack

IOLAN+102/104 uses 50/60Hz 110-230V AC (10W external PSU)

## Dimensions, Weight

IOLAN+:

- 305mm, W-250mm, H-50mm
- Mass-1.66Kg

IOLAN+Rack:

- 490mm, W-300mm, H-44mm
- Mass-1.85Kg

IOLAN+102/104:

- 230mm, W-163mm, H-32mm
- Mass-1.2Kg includes PSU

## Environmental

Operational

- Temp: +5C to +50C
- Humidity: 10% to 90% RH non-condensing

## Storage

- Temp: -30C to +80C
- Humidity: 5% to 95% RH non-condensing

## Approvals

- EN55022 Class B (IOLAN+Rack, IOLAN+102/104)
- FCC Part 15, Sub-part B, Class A (IOLAN+)
- EN60950
- CSA C22.2 No.950
- UL1950
- CE

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**For more information, contact your authorised reseller**

## Ordering Information

Product Order Code and Model Description

| Code | Description | Code | Description |
|------|-------------|------|-------------|
| 0400647X | IOLAN+ 102 RS 232 | 0400618X | IOLAN+4 RACK |
| 0400649X | IOLAN+ 102 RS 422 | 0400609X | IOLAN+8 |
| 0400646X | IOLAN+ 104 RS 232 | 0400616X | IOLAN+8 RACK |
| 0400648X | IOLAN+ 102 RS 422 | 0400615X | IOLAN+16 |
|  |  | 0400631X | IOLAN+16 RACK |

Replace "**X**" with the appropriate country code to specify power cable type.
**1** = UK, **2** = EU, **5** = S/A, **6** = Australia/NZ

**www.perle.com**

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