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Essential Network Connectivity

Corporate Presentation

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Essential Network Connectivity

Who is Perle

Today:

- **World's premier provider of serial to ethernet, fiber to ethernet and device networking solutions for a global market**

- **Highly secure, reliable solutions for mission critical applications**

- **Market leading developers of product for: network connectivity, secure transmission, remote monitoring and control**

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Who is Perle

Our History

- **More than three decades of industry experience**

- **Strong growth**

- **Extensive R&D**

- **Global presence**

- **ISO 9001:2008 and ISO 14001:2004 certified**

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What We Do

- **Provide full-featured serial to ethernet, fiber to ethernet and and device networking products that:**
  - Lead in innovation and reliability
  - Protect investments in current and future equipment
  - Eliminate the need to change software applications
  - Incorporate state-of-the-art security features
  - Can be customized to meet specific industry needs
  - Are competitively priced

What We Do (Cont'd)

- **Customer centric focus in developing solutions for:**
  - Telecommunications
  - Healthcare & Medical
  - Military and Government
  - Data Center Management
  - Finance
  - Electric Utilities
  - Industrial/Manufacturing
  - Education
  - Transporation

Who is Perle

Industry/Financial Strengths

- **Connectivity leaders for 30 years**
  - over 10 million devices connected with Perle technology
- **The most comprehensive product line available**
- **The best tech support and lifetime warranty**
- **Strong customer base and financials**
- **Commitment to R&D**

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Who is Perle

Sales Offices:

- **US, Canada**

- **UK, France, Germany, Spain**

- **India, Japan, Singapore**

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Perle Products

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Perle Products

Serial to Ethernet Connectivity

- **Transmit RS232, RS422 or RS485 data across an IP network**
- **Connect to remote console ports**
- **Remotely power on/off/cycle Data Center equipment**
- **Convert I/O information from Digital, Analog, temperature and relay I/O devices to Ethernet**

Server-side Connectivity

- **Add serial and parallel ports to PC's and Servers**
- **Deliver multiple voice, fax and data communications over V.92 56K integrated modems**

Network Connectivity

- **Transparently connect copper to fiber**

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Perle Products

Serial to Ethernet Connectivity

- **Device Servers**
  – connect a variety of serial devices to a network
- **Terminal Servers**
  – connect a large number of common serial devices and console ports to a network
- **Console Servers for Data Center Management**
  – Secure remote management of console ports
- **Remote Power Switches**
  – Remotely power on/off/cycle Data Center equipment
- **Ethernet I/O Device Servers**
  – Convert I/O information from Digital, Analog, temperature and relay I/O devices to Ethernet

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Full function 1 port Terminal Servers - IOLAN DS

- **Simple Serial to Ethernet Solution**
- **1 port models (DB25M, DB25F, DB9M ,RJ45)**
- **Power 10/100 selection LAN Activity**
- **Software selectable RS-232/422/485**
- **IPv6 Compliant**
- **Serial Activity Indicators**
- **Compact, Cigarette-sized Packaging**

**Functionality will service 70% of the
1 port terminal server market**

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Advanced Feature Set is standard across

- **Secure Device Servers - 1, 2, 4, 8 and 16 port models**
  - RS232/422/485 Software Selectable Interface
- **Secure Terminal Servers - 4, 8, 16 and 24 port models**
  - RS232 Interface
  - Gigabit Ethernet
- **Secure Console Servers - 8, 16, 32 and 48 port models**
  - RS-232 Interface and PCI Slot
  - Dual Gigabit Ethernet
  - Single or Dual AC
  - *A NEW DEFINITION OF FAULT TOLERANCE*

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The most advanced Device Servers - IOLAN SDS

- **High performance processing power**

- **Widest breadth of security features**

- **Over 25 models with 1, 2 ,4, 8, 16 and 32 ports**

- **Software Selectable RS-232/422/485**

- **Serial and LAN Activity Indicators**

- **IPv6 compliant**

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IOLAN SDS con't

- **Models designed for**
  - Electric Utilities (High and Low Voltage)
    - NERC-CIP compliance
  - Telecommunications
    - NEBS Level 3
    - Wide range Low Voltage: 18-72v DC (24v/48v DC)
  - Hazardous Locations
    - Class 1 Division 2
    - -40C to +74C extended temperature support
  - Power Over Ethernet -- Full 802.3af compliance
  - Integrated V.92 modems

Perle Products

The most advanced Terminal Servers - IOLAN STS

- **4 port small footprint & PoE models**
  - 10/100 Ethernet

- **4, 8, 16 and 24 ports 1U Rack-mount**
  - 10/100/1000 Ethernet

- **High performance processing power**

- **Advanced security features**

- **RS-232 Interface**

- **Options for AC or DC and serial connector types**

- **IPv6 compliant**

Perle Products

The most advanced Console Servers – IOLAN SCS

- **High performance processing power**
- **Hardware encryption co-processor**
- **Widest breadth of security features**
- **Over 8 variants with 8, 16, 32 or 48 ports**
  - Dual Gigabit Ethernet
  - 1 PCI Slot for modem card or other options
  - Single or Dual AC models or 48VDC power
- **IPv6 compliant**
- **RS-232 RJ45 Interface, 1U Rack-mount**
- **Remote Power Switches available too…**

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Remote Power Switches

- **Remotely power on/off/cycle Data Center equipment**
  - reduce downtime, service costs and resource
- **8 or 16 plugs**
  - NEMA and IEC320
- **Dual AC Power Bus Architecture**
- **Emergency Manual Power Switch**
- **Integrated Management with Perle IOLAN Console Servers**

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Ethernet I/O Device Servers – IOLAN (S)DS I/O

- **Converts I/O information from Digital, Analog, temperature, relay I/O devices (and serial) to Ethernet.**

- **Enables control of digital outputs by remote application, administrator or local custom application residing on I/O Device Server**

- **Intelligence built into the I/O Device Server for**
  - Interpretation of I/O information
  - Alarm event processing
  - Digital output control
  - Failsafe processing

- **12 models with or without advance data encryption**

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Multiport Serial Cards – SPEED, UltraPort, SX, RIO

- **Network connectivity for peripheral devices with PCs/servers**
- **High performance, low cost, easy to use & install**
- **Support for all major Operating Systems**
- **Ability to add 1 to 512 serial ports for Windows and Unix**
- **Multiple serial connector options**
- **PCI, PCI-X, PCI Express Bus support**

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Parallel Cards – SPEED

- **Network connectivity for peripheral devices with PCs/servers**

- **High performance, low cost, easy to use & install**

- **Windows, Vista and Linux OS Support**

- **Ability to add IEEE 1284 compliant parallel port**

- **PCI, PCI-X, PCI Express Bus support**

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Multimodem Cards – PCI-RAS

- **PCI Plug and Play for easy installation**
- **High speed V.92 integrated modems for quicker connect times and upload speeds**
- **PCI and PCI-X Bus support**
- **V.34/33.6 Super G3 fax to reduce transmission times**
- **Scalable solution from 4 to 64 modems per server**
- **Support for multiple operating systems**
- **Remote configuration for centralized setup and management**

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Essential Network Connectivity

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Fiber to Ethernet Media Converters

- **Extend 10/100/1000 Ethernet equipment over optical fiber**

- **Extend network distances up to 120km**

- **Multimode and single mode fiber**

- **SC, LC and ST fiber connectors**

- **SX, FX, LX, EX, ZX, BX fiber support**

- **Advanced Features: Link Pass-Through, Far-End Fault, Auto-MDIX and Loopback**

- **Unmanaged, Managed and SFP Media Converter Models**

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Support

- **Exclusive lifetime warranty**
- **60 day free end user telephone tech support**
- **Selection of maintenance plans:**
  - Express replacement
  - On-site 5 X 8
  - On-site 7 X 24