



For serial to Ethernet connectivity applications, the IOLAN STS4-D is the most advanced device server available. Delivering high performance in a compact size, an IOLAN STS4-D offers extensive security, flexibility and next generation IP technology making it ideal for applications that require remote device/console management, data capture or monitoring.

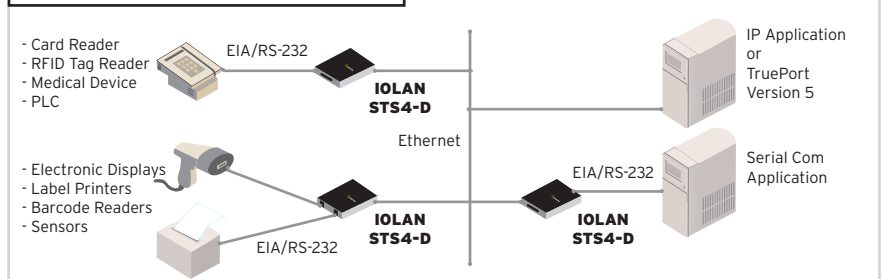
### Secure Serial Connectivity

The IOLAN STS4-D 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).

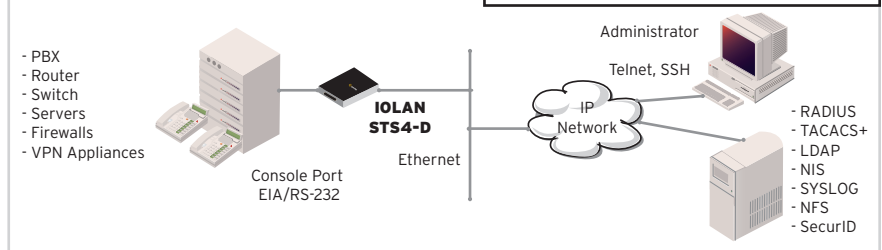
### Features and Benefits

- 4 ports EIA/RS-232 serial, RJ45 interface
- AES, 3DES encryption over SSH or SSL sessions
- Next Generation IP support ( IPv6 ) for investment protection and network compatibility
- High performance in a space saving compact size
- Port buffering for data capture and analysis
- For console management applications, powerful authentication schemes prevent unauthorized access
- Protective solid steel enclosure
- Power over serial cable eliminates costs of a separate power installation
- DIN Rail mounting option for Industrial Automation applications
- RFC 2217
- Modbus to Modbus TCP
- Software Development Kit
- RoHS and WEEE compliant
- Perle Lifetime warranty for security and peace of mind

### Attach serial devices to Ethernet



### Connect to remote console ports



### Advanced IP Technology

With support for Next Generation IP ( IPv6 ), the IOLAN STS4-D provides organizations with the investment protection today to meet the compatibility needs of networks tomorrow.

### Flexible and Reliable Serial to Ethernet Connections

The IOLAN STS4-D is ideal for connecting serial based COM port, UDP or TCP socket based applications to remote devices. Perle's TruePort V5 re-director provides fixed TTY or COM ports to serial based applications enabling communication with remote devices connected to Perle device servers 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.

The STS4-D has 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.

### Class Leading Support and Warranty

The Perle IOLAN STS4-D 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.



## Technical Specifications

### Processor

- MPC852T, 66 Mhz, 87 MIPS

### Network/Ethernet

- 1 x 10/100Mb RJ45

### Protocols

- IPv6, IPv4, TCP/IP, Reverse SSH, SSH, SSL, CIDR, RIPv2/MD5, ARP, RARP, UDP, UDP Multicast, ICMP, BOOTP, DHCP, TFTP, SMTP, Telnet, raw, reverse Telnet, LPD, RCP, DNS, WINS, HTTP, HTTPS, SMTP, SNMPV3, PPP, PAP/CHAP, SLIP, CSLIP, Modbus/TCP, Modbus/RTU, Modbus/ASCII

### Security and Authentication

- SSHV1 and SSHV2
- SSL V3.0/TLS V1.0, SSL V2.0
- SSL Server and SSL client mode capability
- Encryption: AES (256/192/128), 3DES, DES, Blowfish, CAST128, ARCFour(RC4), ARCTWO(RC2)
- Hashing Algorithms: MD5, SHA-1, RIPEMD160, SHA1-96, and MD5-96
- Key exchange: RSA, EDH-RSA, EDH-DSS, ADH
- X.509 Certificate verification: RSA, DSA
- Certificate authority (CA) list
- Local database
- RADIUS Authentication and Accounting
- TACACS+, LDAP, NIS, Kerberos
- RSA SecureID-agent or via RADIUS
- IP Address filtering
- Disable unused daemons

### Management

- Web browser or secure web browser via https (SSL/TLS)
- Perle DeviceManager software to manage single or multiple device servers
- CLI – Telnet, SSH, shared console port
- IOLAN+ configuration mode
- SNMP, MIB II, Perle MIB, read and write capabilities
- SYSLOG
- Port Buffering – local or 3DES encrypted to NFS server

### Serial Port(s)

- EIA-232
- Full modem and hardware flow control
- 50bps to 230Kbps for EIA-232
- Four RJ45 10 pin connectors
- SUN Break Safe
- Full bidirectional modem support
- 15Kv ESD protection on all signals

### Interface Modes

- EIA-232 full duplex

### Indicators

- Power/Ready
- Network Link activity
- Serial: Transmit and Receive data LEDs

### Dimensions, Weight

- Dimension (L x W x H)  
11.3 x 8.1 x 2.8 (cm), 4.4 x 3.2 x 1.1 (in)  
0.34 kg (0.75 lbs)

### Power

- 120 VAC (USA)
- 100-240 VAC (International)  
*External power adapter included with North American and International models*
- Power via External power 9-30V DC, 10 Watts – standard barrel socket
- IOLAN STS4-D over serial cable (9-30VDC)
- Power peripheral devices from serial port (1W)

### Fixed TTY/COM Port Emulation Software

- TruePort

### Environmental

- Operating temperature:  
0°C to 55°C, 32°F to 131°F
- Storage temperature:  
-40°C to 66°C, -40°F to 150°F

### Approvals

- FCC Part 15A, CE, CAN/CSA 22.2, UL 60950, EN 55022 Class A, EN 55024 Class A

### Warranty

- Limited lifetime warranty

Model	Features								Part Number		
	Ethernet	Serial Ports	Interface Type	Serial Connector	AC Adapter incl.	9-30V DC	Power From Serial	Power Serial Device	USA	Europe	UK
IOLAN STS4-D	10/100	4	EIA-232	RJ45-10	•	•	•	•	04030834	04030832	04030831



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