

PL - 200

SAN Connectivity over IP and Ethernet Networks



PL-200 provides a Highly-Integrated Secured solution for Business Continuity and Disaster Recovery applications over IP and Metro Ethernet networks

Features and Benefits

PL-200 is a next-generation device for storage over IP and Metro Ethernet SAN connectivity

PL-200 is a storage transport CPE (Customer Premises Equipment) access device. Designed primarily as a SAN connectivity device for SMBs enterprises and carriers, is typically deployed as a CPE or gateway in enterprise campus environments and can be managed locally or by the carrier, using existing operational support systems

Incorporating the latest standards (FCIP, IPsec, LZS Compression), PL-200 offers long-range affordable SAN connectivity

PL-200 allows SMBs and enterprises to efficiently build Business Continuity and Disaster Recovery applications over ubiquitous IP and Ethernet Networks

With PL-200, carriers can offer value-added data services, including flexible throughput and secure reliable transport of FC, with carrier grade reliability in synchronous and asynchronous applications

Using PL-200, interconnecting SAN islands over IP becomes a secure, reliable, and affordable option. The device allows carriers to offer new storage connectivity services, at variable rates, over long distances. SMBs and enterprises can use the PL-200 to rapidly and efficiently deploy secure storage extension networks to connect their sites. The PL-200 works over current and future IP and Ethernet infrastructures, utilizing the latest standards for Fibre Channel over IP (FCIP), IP Encryption (IPsec), and LZS Compression.

PL-200 enables multi-application storage extension offerings

- Synchronous or asynchronous backup, mirroring, and simultaneous data replication for multiple applications
- Interconnection of SAN islands over Metro WAN
- SAN Connectivity over long distances

PL-200 can introduce storage transport over existing networks

- Smooth interoperability with existing and future IP and Metro Ethernet equipment
- Optimization of available bandwidth using standard compression
- Embedded IPsec security saving the need for additional and complex encryption solutions
- Supports 2 services over 2 uplinks
- Fast provisioning using existing public infrastructure and operation systems
- Minimal power consumption and reduced footprint
- Full remote control and monitoring
- Redundant power supply

PL-200 effectively combines key functionalities

- 1G/2G FC port over IP/GbE uplink
- FC rate limiting with 2Mb/s granularity
- Native performance monitoring of FC and Ethernet
- TCP flow control enables covering thousands of kilometers
- Direct FC switch connectivity
- Embedded hardware security and compression
- Automatic security key management with minimal administration
- Small Form-Factor Pluggable (SFP) optics
- Advanced control plane and management tools



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Technical Specifications

System

Topology	Point-to-Point
Transport Network IP	Metro Ethernet
Data Encryption	IPSec
Data Compression	Hardware based Compression
TCP/IP	Flexible window size, enhanced throughput, bandwidth management
Software upgrade	Dual image
Storage applications	Full Transparency

Network Side

Interface	GbE over fiber, 100MBase-T Copper FE
Interface type	Pluggable SFP, 100M base-T, RJ-45
WAN Distance	Thousands of Kilometers, TCP Windows flow control

Service Side

Interface	1G/2G FC direct FC Switch Connectivity (B-Port)
Interface type	Pluggable SFP
FC Data Mapping	FCIP
Flow Control	Buffer Credit
Rate limit	1Mbps granularity

Environmental

Operating Temperature	-5° C to +55° C (+23° F to +131° F) 0-90% RH (non condensing)
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Physical Dimensions

Height	1.77" (1U), 45mm
Width	19", 440mm
Depth	9.44", 240mm
Weight	14.3lbs., 6.5kg

Network Management

Management Ports	10/100M Base-T RJ-45, RS-232 DB-9
Protocols	SNMP (SNMPv2c), FTP, HTTP Web server
Management Application	SurfLight embedded web server
OAM	<ul style="list-style-type: none">• Event logger• Current alarms
Visual Indicators	LED status indicators for client ports, line interfaces, and power
Alarms and Performance Monitoring	FC native PM RFC-4044 GbE RMON MIB support IP Sec, TCP RFC-2012 UDP RFC-2013 IP RFC-2011 ICMP RFC-2011 FCIP RFC-4404

Power Supply

AC/DC	100/240V AC, -48V DC, 35 Watts max.
Redundancy	Single or dual feeding, pluggable

Approvals

CE, FCC, RoHS-5