

## Sandvine Policy Traffic Switch 8210

### Your Platform for Network Policy Control

Sandvine is dedicated to building solutions that allow today's fixed and mobile data service providers to increase network profitability while improving the quality of experience (QoE) for the Internet subscriber.

The Policy Traffic Switch (PTS) platform is a key component of the network policy control strategy for many of the world's most successful broadband service providers.

Customers worldwide have selected Sandvine's PTS platform for its consistent architecture, reliability, and industry-leading port-density - all of which contribute to a low total cost of ownership (TCO).

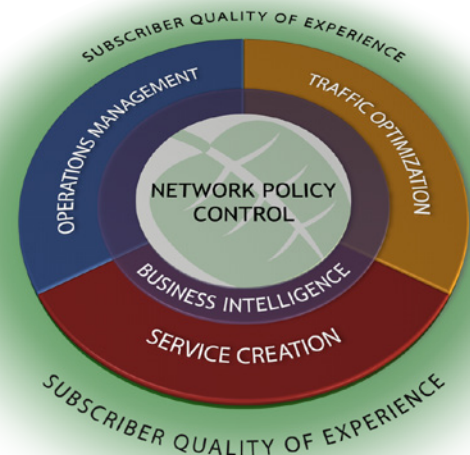
The Policy Traffic Switch leverages a powerful array of technology features that combine to address specific problems faced by today's service providers, including:

- Subscriber Awareness - true subscriber awareness, even with multiple IP addresses spread across many devices
- Traffic Identification - accurate, application-aware, traffic identification in any routing environment
- Policy Decision - identification of network conditions and real-time rule evaluation to make policy decisions locally
- Policy Enforcement - broad range of actions to define and enforce your network policies
- Any Access - deploy anywhere, regardless of what last-mile technologies your network uses
- Smart Scalability - linear scaling and seamless clustering up to 480 Gbps
- Safe Switching - ensures traffic flow continues, even if operating parameters are exceeded
- Partner Enablement - proven Solutions Partner Ecosystem integration simplifies value-added service deployment

Together, these features provide a powerful toolset which supports deployment of traffic optimization, service creation and deployment, operations management, and business intelligence solutions, and have helped the Policy Traffic Switch become the industry's most widely deployed network intelligence platform.

### Sandvine PTS 8210

With intersection throughput of 4 Gbps per unit, the PTS 8210 is perfectly suited for smaller POPs and service edge deployments. Whether a service provider is operating in an emerging market where sustainable growth is the primary issue, or fighting in a competitive landscape where rapid innovation is the key to success, the PTS 8210 is the platform that can take the network to the next level.



### Key Benefits

- Low lifetime Total Cost of Ownership through operational stability and architectural consistency
- Optimal scale for smaller POPs and service-edge deployments minimizes costs
- Unsurpassed application identification, even in asymmetric environments, means you can manage traffic confidently
- Subscriber awareness ensures accurate billing and network usage statistics
- Integration with Solutions Partner Ecosystem for simplified deployment of new value-added services

## Technical Details and Specifications

The Policy Traffic Switch platform is a highly scalable network element that enables Sandvine's full suite of network policy control solutions. With stateful traffic identification, subscriber-awareness, standards-based interfaces and the broadest range of policy management options available, the PTS lets service providers protect or enhance subscriber quality of experience while simultaneously achieving business and operational objectives.

### PTS 8210 Performance

The following table provides performance metrics under typical network conditions. Actual inspection throughput performance may vary based upon the software licenses and policies enabled, and deployment characteristics.

	PTS 8210
Maximum Intersection Throughput	4 Gbps
Maximum Inspection Throughput	1.5 Gbps
Maximum New Flows per Second	50 K
Maximum Concurrent Flows	750 K
Maximum Subscribers	50 K
Typical Power Consumption	400 W
Maximum Power Consumption	500 W

### PTS 8210 Port and Interface Options

The PTS 8210 has two Ethernet interface slots available, into which any combination of six interface cards can be inserted. All interfaces on the PTS 8210 are 1 GE.

2 ports	With Bypass	Copper	10/100/1000T
		Optical	SX (MM) LX (SM)
	Without Bypass	Copper	10/100/1000T
		Optical	SX (MM) LX (SM)

Interface card options

### PTS 8210 Physical Specifications

- Dimensions: 419 mm x 44.4 mm x 571.5 mm / 16.75" x 1.75" x 22.5" (Width x Height x Depth)
- Mounting: Standard 19" rack (1 RU)
- Weight: 11 kg / 24 lbs
- Power Supply: AC 100-240 V or DC 42-60 V input
- Temperature: 0°C to +40°C / +32°F to +104°F
- Humidity: 5% to 85% non-condensing

### External Interface Specifications

The PTS 8210 offers a broad range of standards-based interfaces:

- RADIUS interface to AAA, DHCP, LDAP systems
- IETF standard-compliant alarm MIBs to Network Operations Center
- 3GPP standard-compliant Gx interface to Policy and Charging Rules Function (PCRF)\*
- 3GPP standard-compliant Gy interface to Online Charging Systems (OCS)\*
- Support for mobile data intersection for 3GPP Gn, Gi, Gp, S5, S8, S2
- Support for mobile data intersection for 3GPP2 Pi, PDN
- Usage Data Records (UDR) to Offline Charging Systems (OFCS)\*
- SOAP and SQL interface, CSV files to external reporting and Operations Support Systems (OSS)\*

\*Requires separate license

### Certifications and Approvals

The PTS 8210 is NEBS Level 3 certified. Product Safety and EMC approvals are available upon request.