

### Product Description

The PFS1764 Packet Flow Switch is the industry's highest port density monitoring switch with 48 10G/1G and 4 40G ports in 1RU. Because of its cut-thru architecture, it has the lowest port-to-port fixed latency in the market. With the PFS1764, several innovative features such as 1PPS and IEEE1588/PTPv2 based timestamping, MPLS modification, and USB based console connections have been added.

The PFS1764's control plane runs open Linux, allowing users to develop and run their own applications locally. The multi-core control processor, large memory and storage space, and two 10G direct connections to the switch processor, allow the PFS1764 to run unique packet processing applications such as deep packet inspection (DPI), packet de-duplication, and microburst detection.

The PFS1764 aggregates, filters, disseminates and load-balances network traffic to monitoring, measurement and security tools, optimizing their performance and investment. The intuitive web based user interface makes it easy to create clusters (stacks) and manage multiple units within the same window. In addition, CLI, API, SDK are available as alternative user interfaces.

### Key Benefits

- High port density with 40G Ethernet support
- Very low latency switching
- Timestamping with 1PPS, IEEE1588/PTPv2
- Extensive MPLS & VLAN features
- Supporting packet processing applications
- Linux operating system for more effective management
- SDK for developing custom applications
- Dynamic load balancing
- Collecting packets independent of speed or media type
- Multi-user support with various user levels
- USB based console connection
- Attractive pricing based on port count licensing



### General Features

- 48x 10G & 4x 40G ports in 1U
- Packet slicing to forward configurable portion of packets
- Port tagging to identify original of packets
- Internal tap creation
- Aggregation or distribution in unlimited port configurations
- Wire speed layer 2-4 packet filtering
- All ports can be monitor or network ports or both
- Management options: HTTP, HTTPS, SSH, Telnet, CLI, API, RS232D, USB, TACACS+
- Web based GUI for clustering & central management
- Extensive alerting via remote Syslog, SNMP traps, LiveLog, SMTP, TACACS+

