

Lab Testing Summary Report

March 2012

Report SR120130

Product Category:

Enterprise Switch

Vendor Tested:



HUAWEI

Product Tested:

S6700 Series Switches



This is an excerpt, full report available at miercom.com/huawei

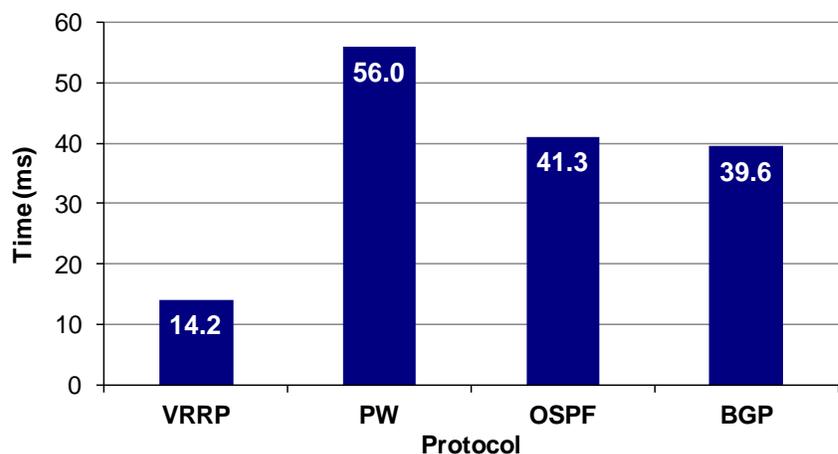
Key findings and conclusions:

- Huawei S6700 switches, with up to 48 10GE ports, provide high performance for aggregation, enterprise core and data center environments
- S6700 supports iStack technology with bidirectional bandwidth of 160GB, for up to nine devices
- Smart Ethernet Protection (SEP) protocol delivers fault convergence in under 50ms for ring networks
- Proven interoperable with Cisco protocols
- Under heavy load, 10G port demonstrates very low latency

Huawei Technologies engaged Miercom to conduct an evaluation of the S6700 series of 10GE switches. These switches are designed for core aggregation or data center use where they provide 10GE server access. The S6700-48-EI has 48 GE SFP or 10GE SFP+ ports, two redundant power supply slots and one USB port. We examined this switch for performance, resiliency of the architecture, service features including policy-based QoS and security, and IPv6 support.

The S6700 series consists of models S6700-24-EI and S6700-48-EI. The latter switch was chosen for testing because it has the features and

Figure 1: Huawei S6700-48-EI Switch
Bidirectional Forwarding Detection Convergence Time



Source: Miercom, March 2012

Total convergence time is displayed for failover using BFD with different protocols.

Miercom Performance Verified

The performance of Huawei S6700-48-EI enterprise-class switch was verified by Miercom. In hands-on testing, Huawei demonstrated advanced performance features such as:

- Up to 48 10GE ports for data center deployments
- S6700 supports iStack technology with bidirectional bandwidth of 160GB, for up to nine devices
- Switches interoperable with Cisco for mixed vendor use
- Hot-swappable blades, power and fan modules ensure network uptime



**S6700-48-EI
Switch**



HUAWEI

Huawei Technologies, Co., Ltd.

www.huawei.com

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