



Lab Testing Summary Report

March 2012

Report SR120221

AR Series Routers

Performance and Reliability

Vendor Tested:



Products Tested:

AR207V-P

AR1220VW

AR3260

Enterprise Routers



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

Key findings and conclusions:

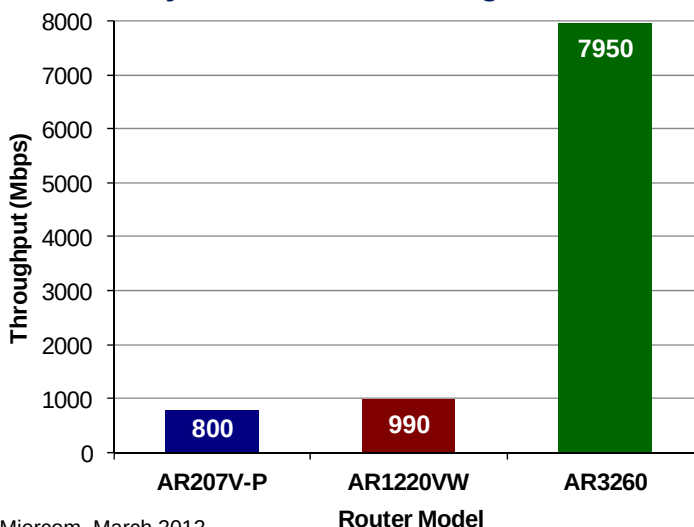
- Huawei AR207V-P router achieved 177.5 Mbps throughput with IMIX traffic and IPsec security enabled
- Using 1500-byte frames, the AR1220VW router was capable of forwarding 990 Mbps which compares well
- AR3260 forwarding rate was of 7950 Mbps using only 1500-byte frames, exceeding vendor specifications
- Hot-swappable fan modules and interface cards, as well as LACP load balancing on LAN cards, reduce downtime and maintain high availability in networks

Huawei Technologies engaged Miercom to evaluate several series of enterprise routers for performance and reliability. The features of each router series are common to the rest of that Huawei line, making the discussion of features applicable to all routers in the series.

In the AR200 series of routers, Miercom tested the AR207V-P, while the AR1220VW model was tested from the AR1200 series, and AR3260 was tested for the AR3200 series. These routers provide a rich set of functions including: routing, switching, voice, security, and wireless capabilities. They are ideal for small branches or can be used on larger network deployments. The AR200 series are fixed port devices without modules, and the AR1200/AR3200 have 2 or 6 slots.

The AR200 series supports plug-and-play configuration and deployment using a USB flash drive. Building an enterprise network is therefore expedited, and an IP address does not need to be configured manually. The AR200 series is a fixed configuration, offering eight FE ports, and

**Figure 1: Huawei Enterprise Routers
1500-byte Frame Forwarding Performance**



Source: Miercom, March 2012

Comparison of forwarding performance for the AR207V-P, AR1220VW, and AR3260 routers. All models tested exceed the rated specifications.

Miercom Performance Verified

The performance and reliability of Huawei AR Series of routers was verified by Miercom. In hands-on testing, Huawei demonstrated exceptional performance by:

- 177.5 Mbps throughput with IMIX traffic and IPSec security enabled was recorded on AR207V-P
- Hot-swappable fan modules and interface cards reduce downtime and offers high resiliency
- Using 1500-byte frames, the AR1220VW router was capable of 990 Mbps forwarding capacity
- AR3260 handles forwarding at a rate of 7,950 Mbps using 1500-byte frames



**AR207V-P
Router**

**AR1220VW
Router**



AR3260 Router



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Huawei Technologies Co., Ltd.

www.huawei.com/enterprise

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