

---

---

# **AP200 VoIP Gateway**

## **Performance Study :**

### **LAN-to-LAN Throughput Test**

---

---

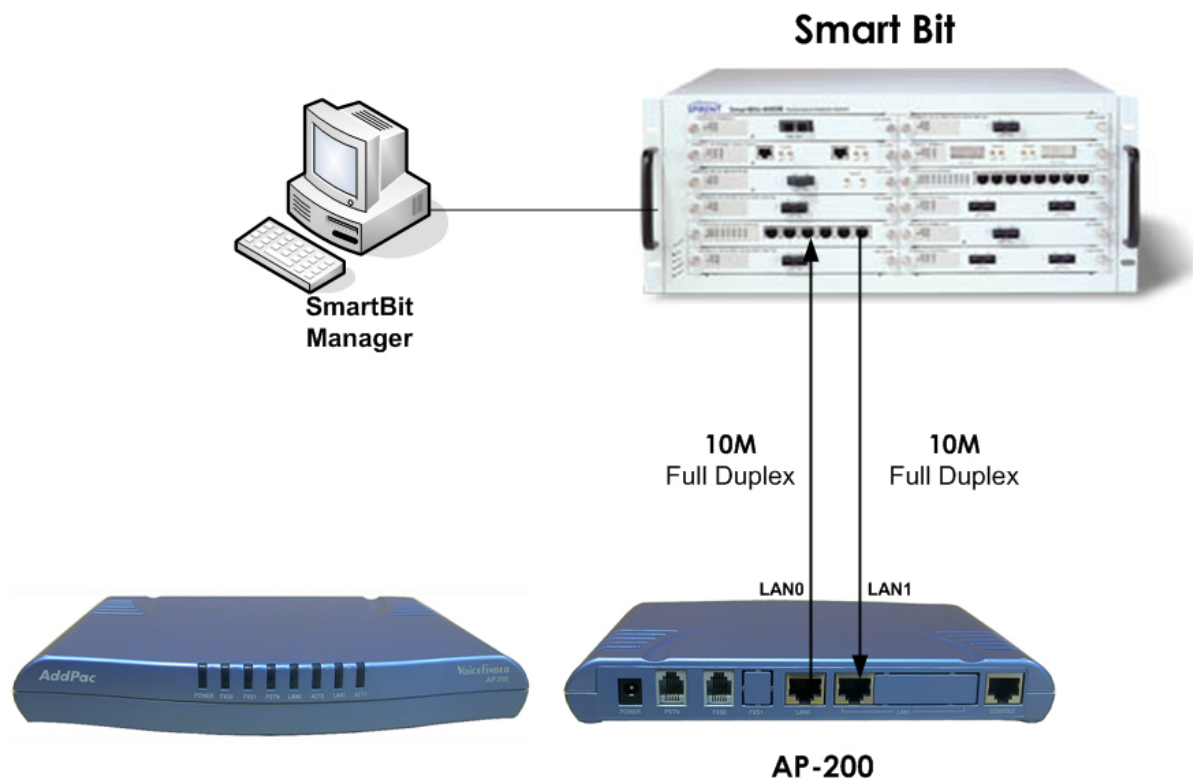


**AddPac Technology Co., Ltd.**  
R&D Center  
[www.addpac.com](http://www.addpac.com)

## Hardware Specification

<b>HW</b>	<b>Specification</b>
CPU	32bit RISC Microprocessor
Flash Memory	2Mbyte
Main Memory	16Mbyte High-Speed SDRAM
Boot Memory	512Kbyte Flash Memory
LAN Port (Type - B, C, D, E)	Two(2) 10Mbps Ethernet Interface (2 x RJ45)
Console Port for Command Line Interface	One(1) RS-232C Interface (RJ45)
AP200 (Type - B)	Two(2) FXS Voice Interface (2 x RJ11)
AP200 (Type - C)	One(1) FXS Voice Interface (RJ11)
AP200 (Type - D)	Two(2) FXO Voice Interface (2 x RJ11)
AP200 (Type - E)	One(1) FXO Voice Interface (RJ11), One(1) FXS Voice Interface (RJ11)
PSTN Back up Interface (Type - B, C)	One(1) PSTN Back up Interface (RJ11)
Power Requirement	External Power Adaptor / VAC 110~220V, 50/60Hz, 5V, 2A, 10Watt
Operating Temperature	0°C to +50°C (32° to 122°F)
Storage Temperature	-40°C to +85°C (-40° to 185°F)
Relative Humidity	5% to 95% (Non-condensing)
Dimensions : H x W x D (mm)	26mm x 200mm x 137mm
Weight (g)	400g

## Test Network Diagram



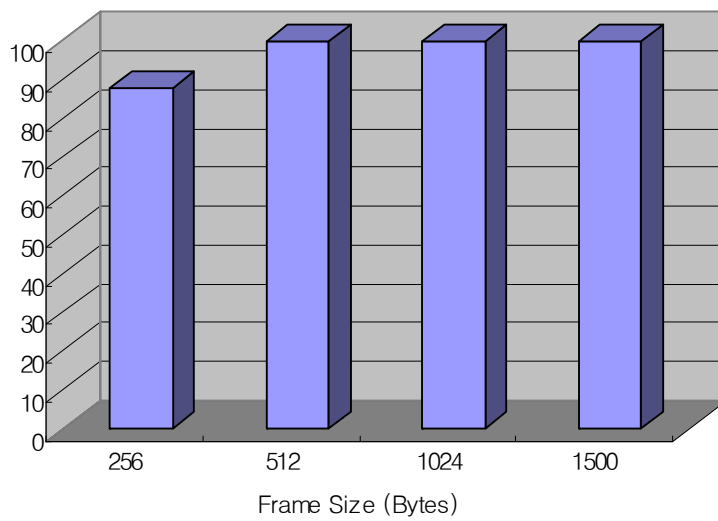
## Test Details

- Performance Measuring Equipment : SmartBits 6000
- Test Terms : Throughput Test with SmartBits Application v3.00 Throughput Test
- Throughput Test Length : 60 seconds
- Test Mode : Bi-directional, Uni-directional

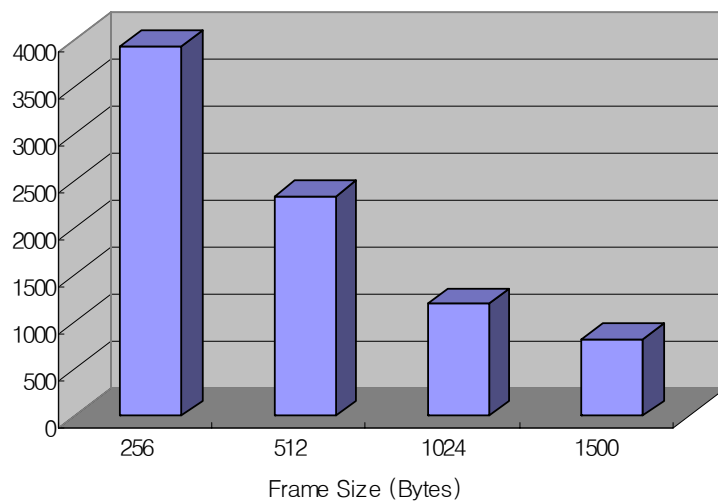
Test Result A : Uni-directional

Frame Size (Bytes)	Passed Rate (%)	Lan0 -> Lan1 (pks/sec)	Total (pks/sec)
256	88	3931	3931
512	100	2332	2332
1024	100	1193	1193
1500	100	820	820

Uni-directional Passed Rate (%)



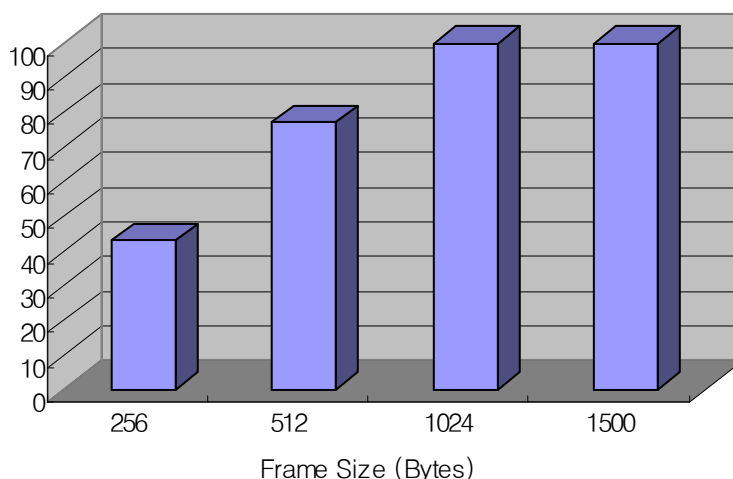
Uni-directional Packet Rate (pks/sec)



Test Result B : Bi-directional

Frame Size (Bytes)	Passed Rate (%)	Lan0 -> Lan1 (pks/sec)	Lan1 -> Lan 0 (pks/sec)	Total (pkt/sec)
256	43	1920	1920	3840
512	77	1796	1796	3592
1024	100	1193	1193	2386
1500	100	820	820	1640

Bi-directional Passed Rate (%)



Bi-directional Packet Rate (pks/sec)

