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# AP1200 VoIP Gateway

## Performance Study :

### LAN-to-LAN Throughput Test

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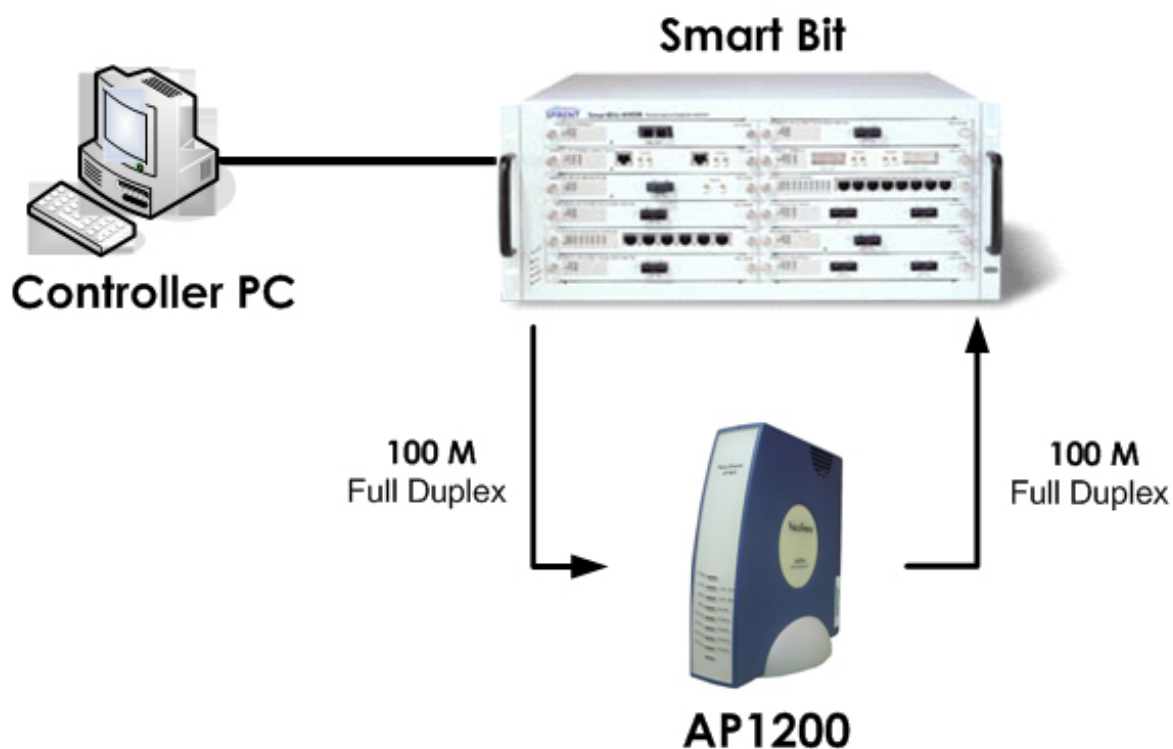


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## Hardware Specification

<b>HW</b>		<b>specification</b>
Model		<b>AP1200 Series</b>
Product Category		Analog VoIP Gateway
CPU		32bit RISC Microprocessor
Memory	System Memory	4MB Flash Memory
	Main Memory	32MB High Speed SDRAM
Voice Interface AP1200-B	FXS Voice Port	8-Port, RJ-11 Connector
	FXO Voice Port	1-Port, RJ-11 Connector
Ethernet Interface	Fast Ethernet Port for WAN interface	1-Port 10/100M Fast Ethernet, RJ-45 Connector
	Fast Ethernet Port for LAN interface	1-Port 10/100M Fast Ethernet, RJ-45 Connector
Console Interface for CLI(Command Line Interface)	RS-232C Serial Port	1-Port, RJ-45 Connector
Power Supply	Power Adaptor	External Power Adaptor / VAC 110~220V, 50/60Hz, 5V, 5A, 25Watt
Operating Temperature		0°C to +50°C (32° to 122°F)
Storage Temperature		-40°C ~ +85°C (-40° ~ +185°F)
Relative Humidity		5% ~ 95% (Non-condensing)
Dimension	W x D x H (mm), weight	210 x 210 x 50(mm), 800g

## Test Network Diagram



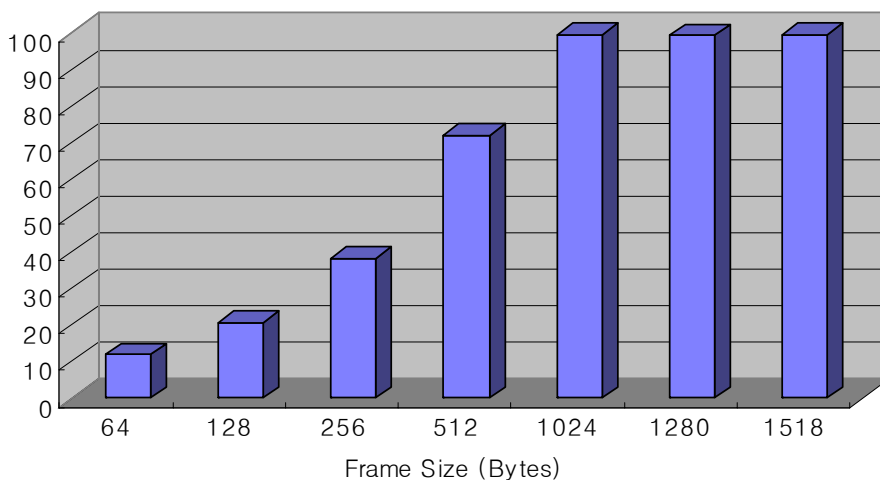
## Test Details

- 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

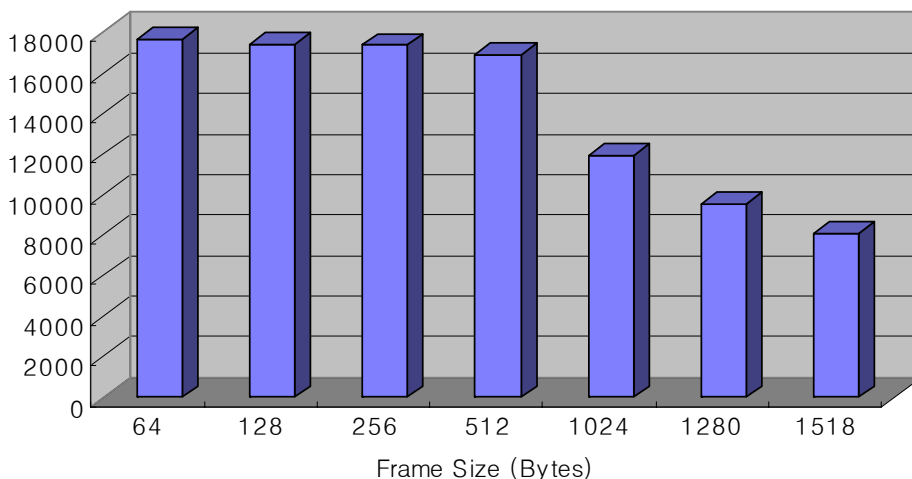
### Test Result A : Uni-directional

Frame Size (Bytes)	Passed Rate (%)	LAN0 → LAN1 (pkts/sec)	Total (pkts/sec)
64	11.88	17680	17680
128	20.64	17434	17434
256	38.31	17397	17397
512	72.14	16949	16949
1024	99.62	11927	11927
1280	99.47	9564	9564
1518	99.74	8106	8106

Uni-directional Passed Rate (%)



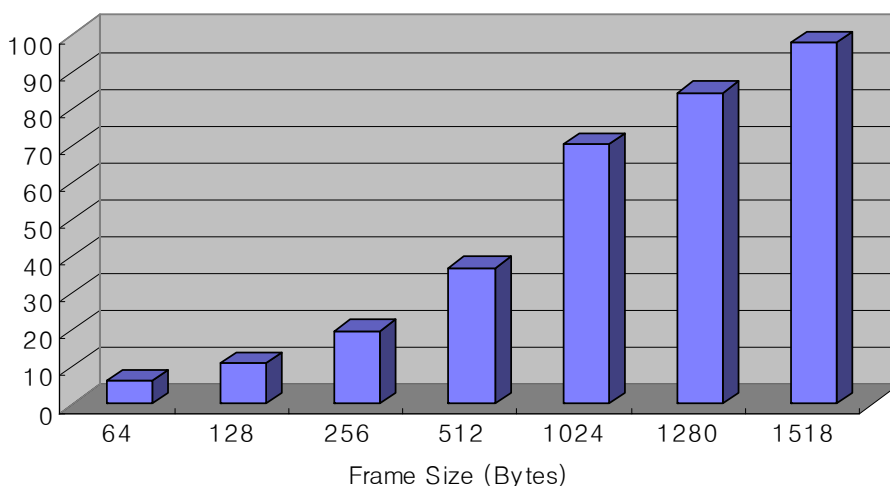
Uni-directional Packet Rate (pkts/sec)



### Test Result B : Bi-directional

Frame Size (Bytes)	Passed Rate (%)	LAN0 → LAN1 (pks/sec)	LAN1 → LAN0 (pks/sec)	Total (pks/sec)
64	6.25	9301	9301	18602
128	10.94	9242	9242	18484
256	19.89	9006	9006	18012
512	37.00	8693	8693	17386
1024	70.49	8440	8440	16880
1280	84.39	8114	8114	16228
1518	98.06	7969	7969	15938

Bi-directional Passed Rate (%)



Bi-directional Packet Rate (pks/sec)

