AP-IP200 IP Phone

Performance Study:
LAN-to-LAN Throughput Test

AddPac Technology Co. Ltd
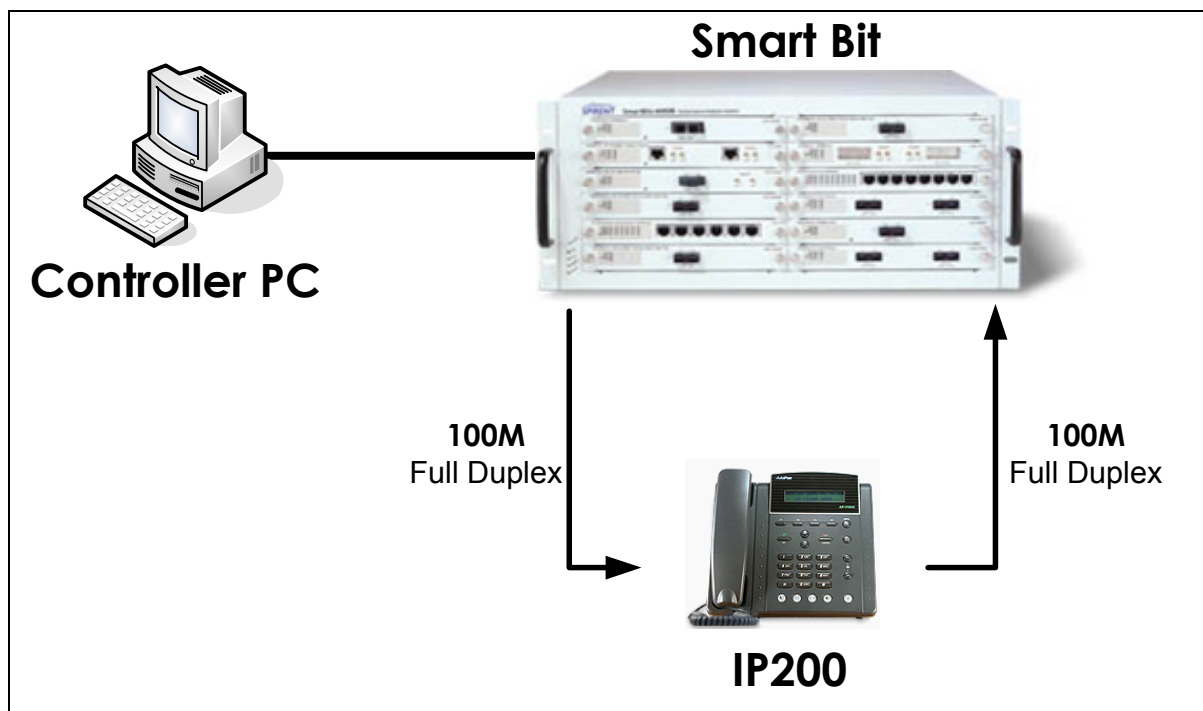
R&D Center

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Hardware Specification

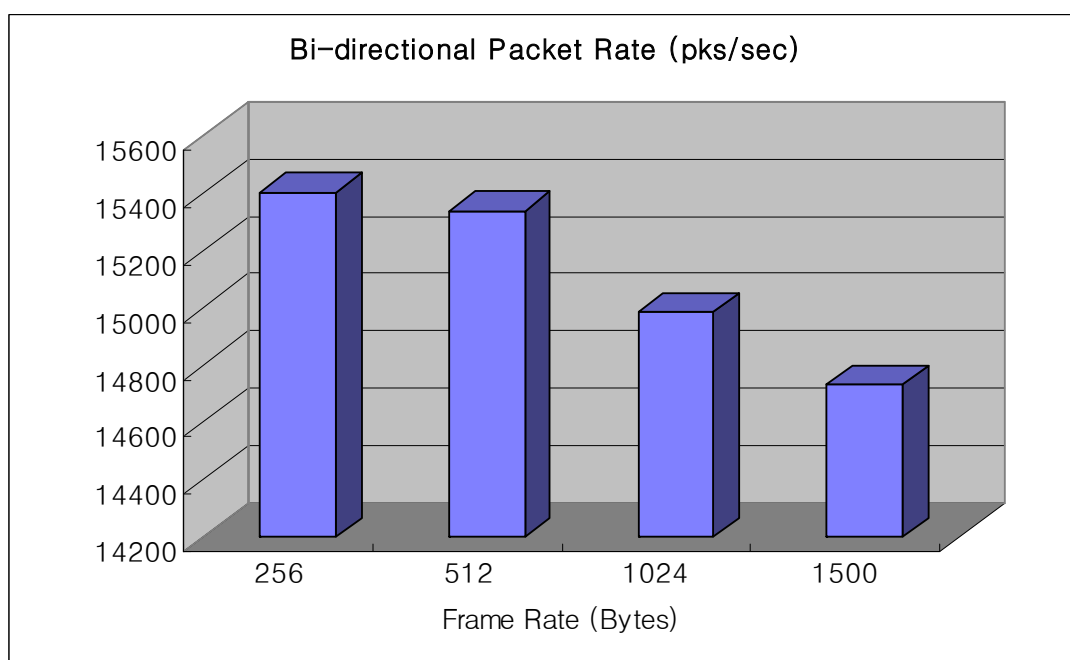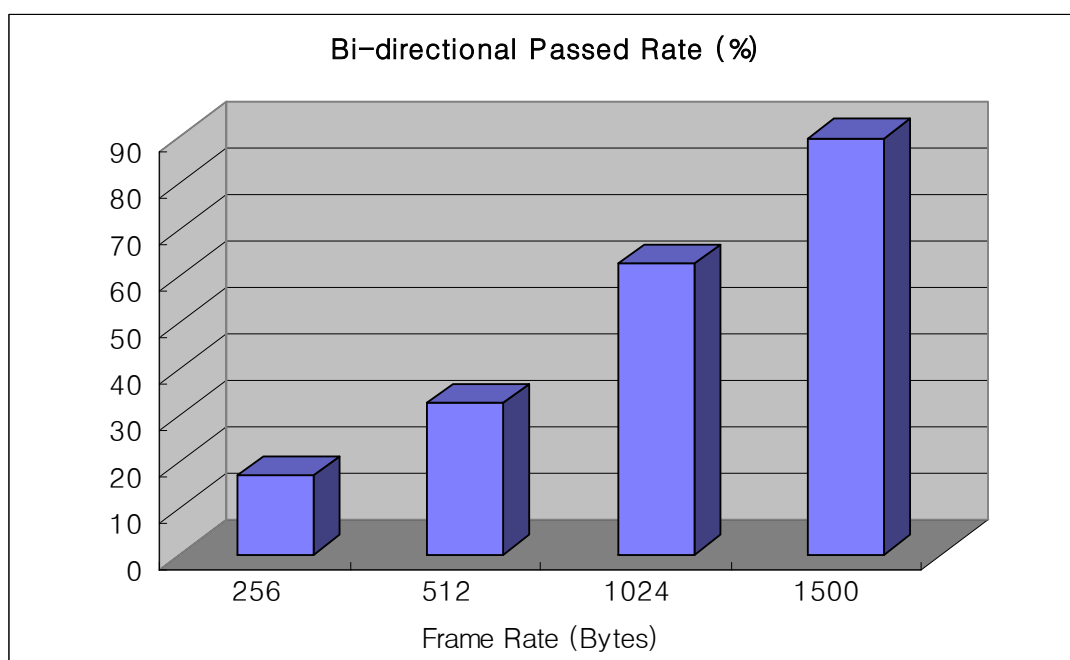| HW		Specification
Model		**AP-IP200 Series**
Product Categories		IP Phone
Microprocessor		RISC Microrprocessor
Memory	System Memory	4MB Flash Memory
	Main Memory	32MB High Speed SDRAM
Audio Interface	Audio Input	3.5mm Stereo Audio Jack
	Audio Output	3.5mm Stereo Audio Jack
Voice Interface	PSTN Port	1-Port(FXO), RJ-11 Connector
Ethernet Interface	Ethernet Port for WAN	1-Port 10/100M Fast Ethernet, RJ-45 Connector
	Ethernet Port for LAN	1-Port 10/100M Fast Ethernet, RJ-45 Connector
Console Interface	RS-232C Serial Port	1-Port, RJ-45 Connector
Power Supply	AC Power Input	External AC110~220V Power Supply (Adaptor)
Dimension	W x D x H, Weight	219 x 179 x 173(mm), 1Kg

Test Network Diagram

Test Environment

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

Test Result A : Bi-directional

Frame Size (Bytes)	Passed Rate (%)	LAN0 → LAN1 (pks/sec)	LAN1 → LAN0 (pks/sec)	Total (pks/sec)
256	17.01	7702	7702	15404
512	32.64	7669	7669	15338
1024	62.57	7492	7492	14984
1500	89.57	7366	7366	14732

Bi-directional Passed Rate (%)

Bi-directional Packet Rate (pks/sec)

Test Result B : Uni-directional

Frame Size (Bytes)	Passed Rate (%)	LAN0 → LAN1 (pks/sec)	Total (pks/sec)
512	34.52	15635	15635
1024	65.52	15394	15394
1280	98.72	11820	11820
1500	99.21	8159	8159

Uni-directional Passed Rate (%)

Frame Size (Bytes)

Uni-directional Packet Rate (pks/sec)

Frame Size (Bytes)