AddPac IP-PBX, VoIP Gateway, IP Phone Interworking with BroadWorks Hosted PBX



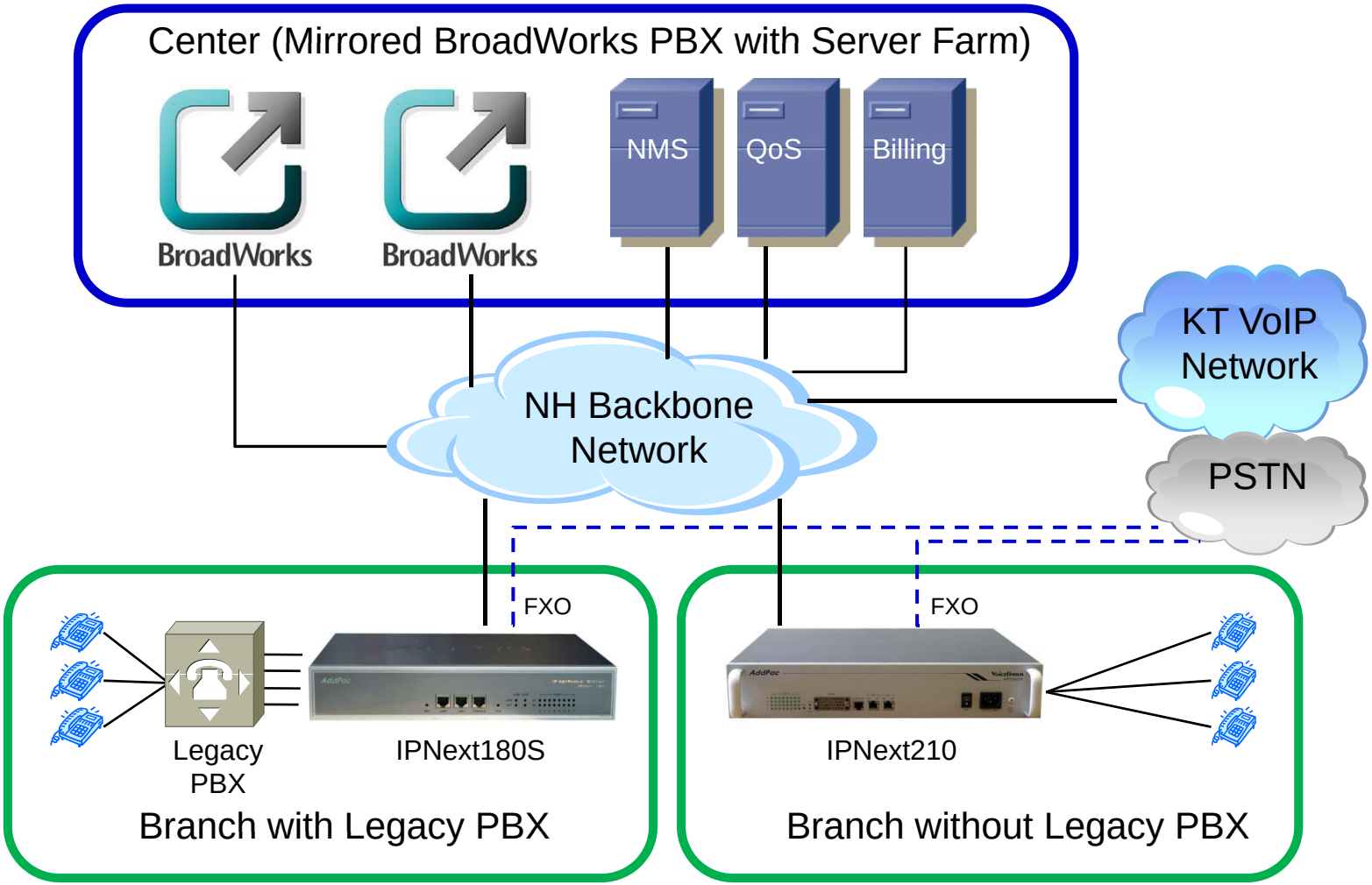
AddPac Technology

Sales and Marketing

Overview

- One of the largest bank in Korea, NH Bank, has deployed AddPac's IP-PBX, VoIP Gateway, and IP Phone which are interworking with BroadSoft's BroadWorks Hosted PBX.
- In scalability, more than 5300 AddPac IP-PBX with Gateway have been running well at NH bank Branches since 2008.
- Various AddPac's IP Phone Models and Video Phone Models has been testing for interworking with BroadWorks and will be deployed to the Bank.

Configuration



IPNext180 Hybrid IP-PBX



< Front>

- 2 port 10/100Mbps Ethernet Interface
- 1 port RS-232C Console Interface
- PORT LED



< Back>

- 2 VoIP Module Slot
  - ✓ Max. 16 Port VoIP Analog Interface
  - ✓ Max. 1 Port(30channel) Digital E1 Interface
- Ground



< AP-N1-FXO4S4 Module >



< AP-N1-FXS8 Module>

IPNext210 Hybrid IP-PBX



< Front>

- PORT LED
- 1 port RS-232C Console Interface
- 2 port 10/100Mbps Ethernet Interface
- AC Power Input
- Ground



< Back>

- 4 VoIP Module Slot
  - ✓ Max. 32 Port VoIP Analog Interface
  - ✓ Max. 2 Port(60channel) Digital E1 Interface



< AP-FXO4S4 Module>



< AP-FXS8 Module>

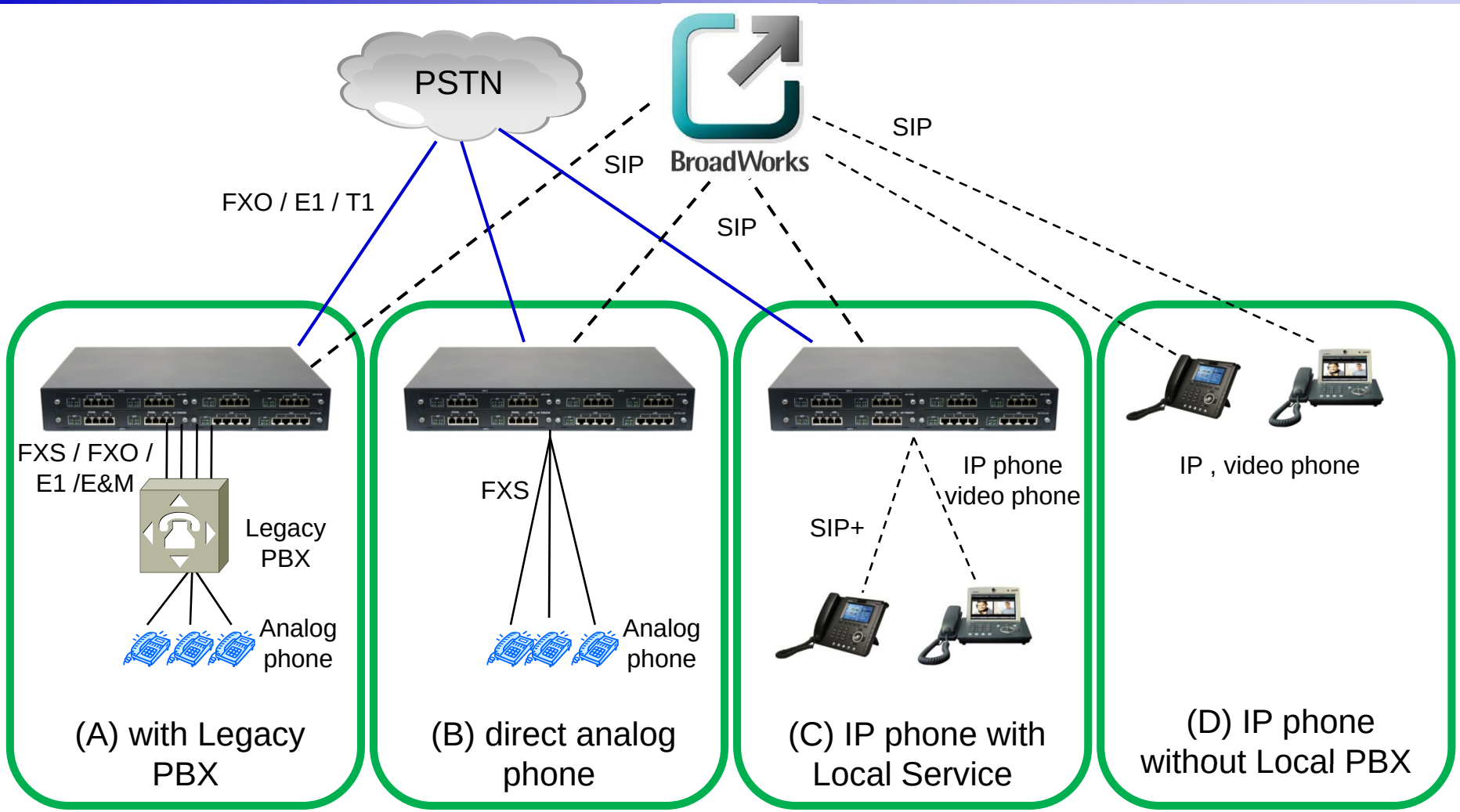


< APVI-2E1 Module>

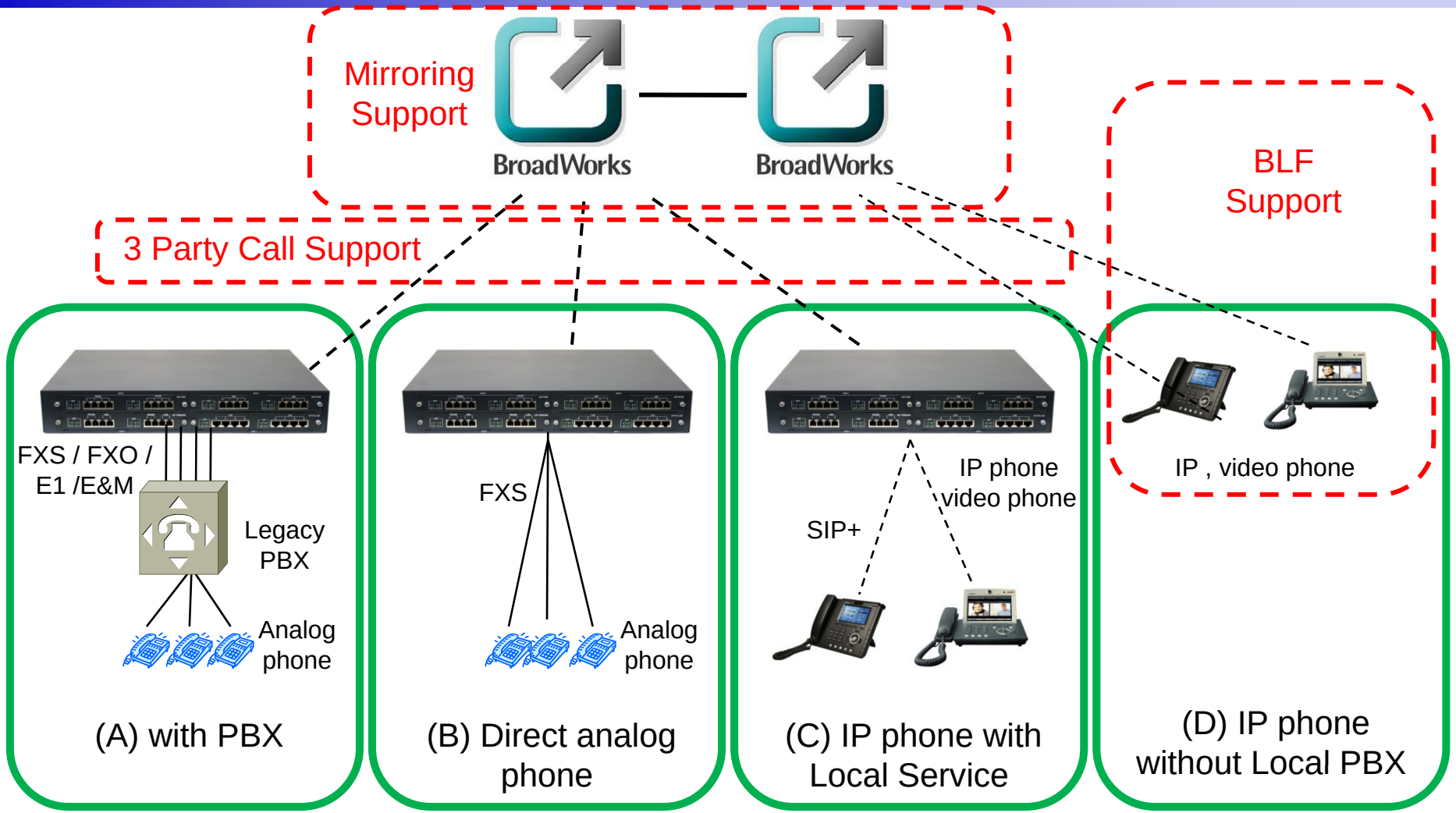
Advantages of AddPac IP-PBX at NH Bank

1. AddPac IP-PBX's Flexible VoIP Modules with Powerful Call Control Feature Supports All Combinations of Branch Phone System Conditions.
2. AddPac IP-PBX Supports Advances Interworking Features with BroadWorks Center PBX, such as Mirrored BroadWorks for Fault Tolerant, 3 Party Call, and BLF(Busy Lamp Field).
3. AddPac IP-PBX Supports Advances Operating Features with the Center Deployed Operating Servers such as Billing Server, QoS Server, NMS Server which use BroadWorks APIs.

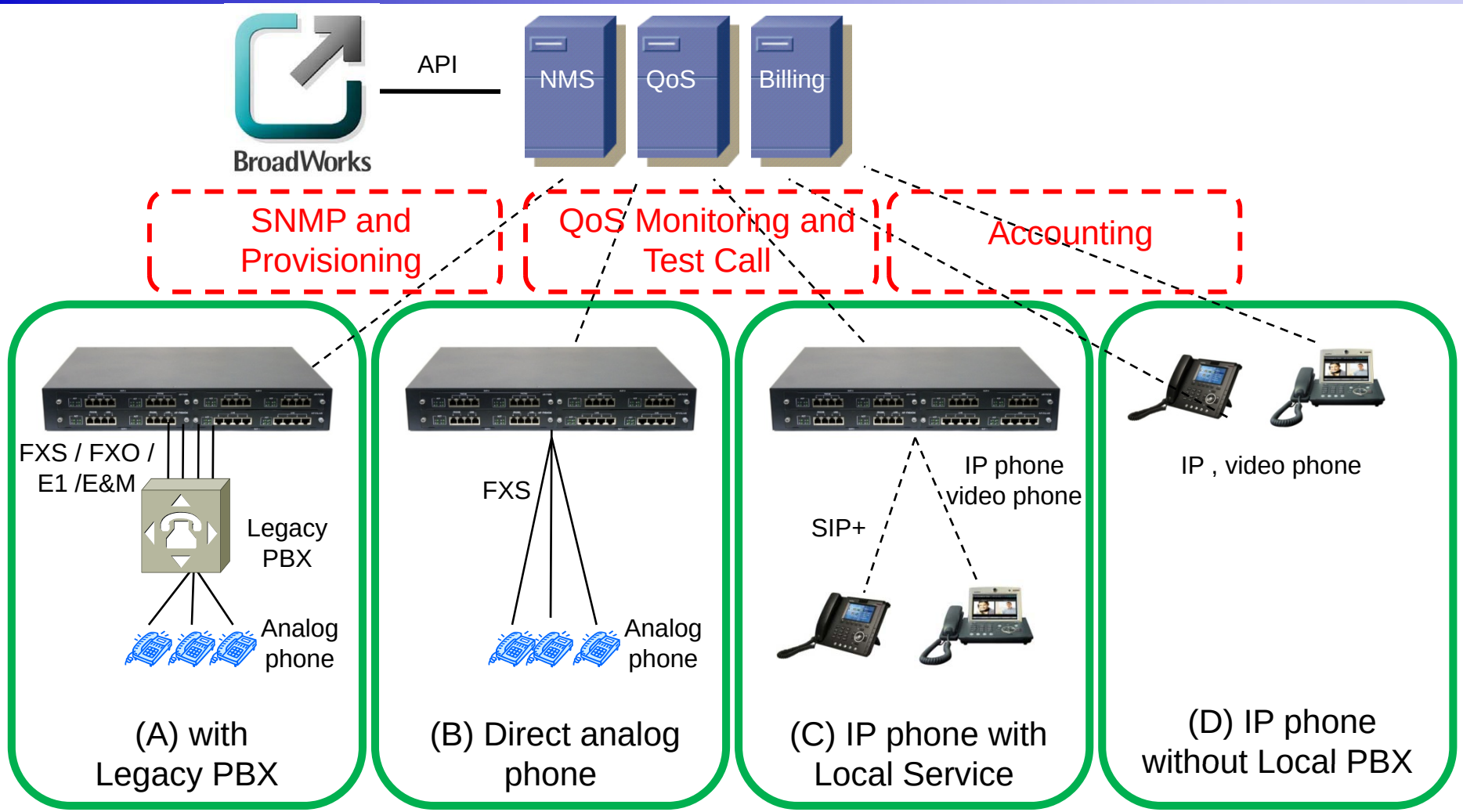
Advantage 1
Flexible Configuration Supporting



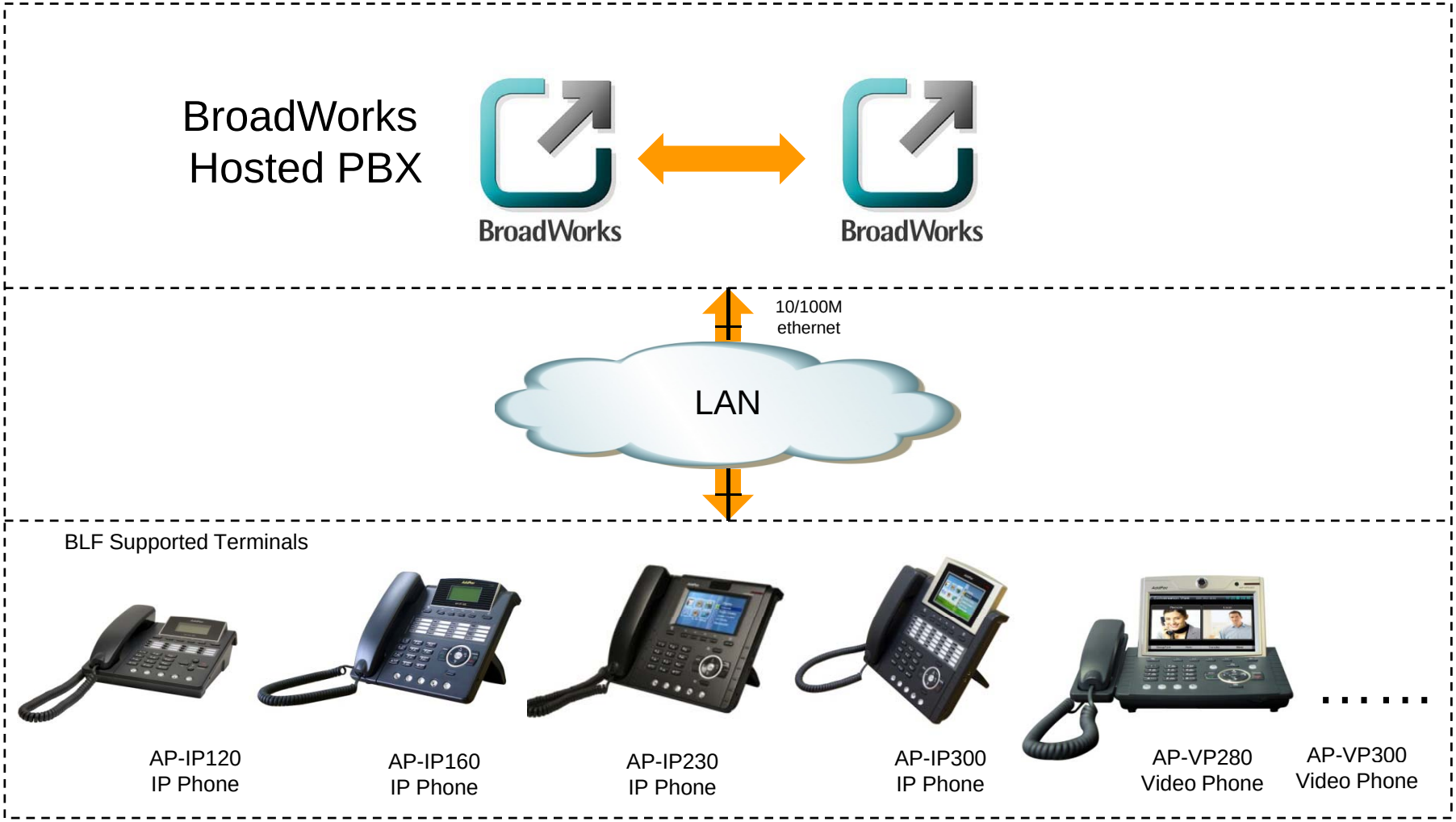
Advantage 2
Advanced Interworking to BroadWorks



Advantage 3
Operating System Support with BroadWorks



IP Phone Interworking



Hybrid IP-PBX Comparison Table

Model / Service Features		IPNext250	IPNext230	IPNext210	IPNext190	IPNext180
						
Registration User Number		200	200	150	150	100
Concurrent Call User Number		100	60	50	50	30
IPv4/IPv6 Dual Stack Support		Support	Support	Support	Support	Support
VoIP Signaling	Internal	SIP	SIP	SIP	SIP	SIP
	External	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Powerful IVR, UMS, Media Service, User Presence Service		Support	Support	Support	Support	Support
RTP Proxy Service (IPv6, Private IP)		Support	Support	Support	Support	Support
LAN Port		2	2	2	2	2
VoIP Module Slots for PSTN		10 Slots (8 Port Module)	15 Slots (4 Port Module)	4 Slots (8 Port Module)	4 Slots (8 Port Module)	2Slots (8 Port Module)
VoIP Interface		FXS, FXO,E1/T1	FXS, FXO, E&M,E1/T1	FXS,FXO,E&M, E1/T1	FXS, FXO,E1/T1	FXS,FXO ,E1/T1

VoIP Gateways (~24Port)

Product	AP1700	AP1800	AP2610	AP2620	AP2120N	AP2330
						
Available Modules	AP-FXS4 AP-FXO4 AP-FXS2O2 AP-E&M4 AP-E1	AP-N1-FXS8 AP-N1-FXO8 AP-N1-FXS4O4 AP-N1-E1	AP-FXS4 AP-FXO4 AP-FXS2O2 AP-E&M4	AP-FXS4 AP-FXO4 AP-FXS2O2 AP-E&M4 AP-E1	AP-N1-FXS8 AP-N1-FXO8 AP-N1-FXS4O4	AP-N1-FXS8 AP-N1-FXO8 AP-N1-FXS4O4
Analog Ports	Up to 8	Up to 16	Up to 4	Up to 8	Up to 16	Up to 24
Signaling	SIP, H.323	SIP, H.323	SIP, H.323	SIP, H.323	SIP, H.323	SIP, H.323
Digital E1/T1	Up to 2E1	Up to 2E1	N/A	Up to 2E1	N/A	N/A
E&M	Support	N/A*	Support	Support	Support	N/A*
Module Slot	Two(2)	Two(2)	One(1)	Two(2)	Two(2)	Three(3)
LAN Port	2	2	2	2	2	2
Console	1	1	1	1	1	1
Power	Single PSU	Single PSU	Single PSU	Single PSU	Single PSU	Single PSU

VoIP Gateways (~32Port)

Product	AP2340	AP2640	AP2650
			
Available Modules	AP-N1-FXS8 AP-N1-FXO8 AP-N1-FXS4O4	AP-FXS8 AP-FXO8 AP-FXS4O4 AP-E&M8 AP-E1	AP-FXS8 AP-FXO8 AP-FXS4O4 AP-E&M8 AP-E1
Analog Ports	Up to 32	Up to 32	Up to 32
Signaling	SIP, H.323	SIP, H.323	SIP, H.323
Digital E1/T1	N/A	Up to 2E1	Up to 2E1
E&M	N/A*	Support	Support
Module Slot	Four(4)	Four(4)	Four(4)
LAN Port	2	2	2
Console	1	1	1
Power	Single PSU	Single PSU	Dual PSU

IP Phone Comparison Table

	AP-IP300	AP-IP230	AP-IP160	AP-IP120	AP-IP90
					
LCD Size	4.3 Inch Color LCD	5 Inch Color LCD	4 Text Line Graphic LCD	4 Text Line Graphic LCD	4 Text Line Graphic LCD
Touch Screen	N/A	Support	N/A	N/A	N/A
Speed-Dial Keys	25 Key with Presence LED	Touch Screen based 25 Keys	16 Key with Presence LED	12 Key with Presence LED	N/A
Voice Codec	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723	G.711/G.726/ G.729/G.723
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
3-Party Conversation	Support	Support	Support	Support	Support
LAN Port	2	2	2	2	2
PoE(Option)	Support	Support	Support	Support	Support
FXO(Option)	Support	Support	Support	Support	Support

IP Video Phone Comparison Table

	AP-VP500	AP-VP300N	AP-VP280	AP-VP250	AP-VP230	AP-VP120
						
LCD Size	12.1 Inch Touch Screen	7Inch Touch Screen	7Inch Touch Screen	4.3Inch Touch Screen	5Inch Touch Screen	4.3Inch
Camera	CCD	CCD	CMOS	CMOS	CMOS	CMOS
Video Codec	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264	H.263 MPEG4 H.264
Signaling	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP	H.323/SIP
Video MCU	N/A	N/A	N/A	N/A	N/A	N/A
Voice MCU	3-Party	3-Party	3-Party	3-Party	3-Party	3-Party
LAN Port	2	2	2	2	2	2
PoE	N/A	Support	N/A	Support	Support	Support

Thank you!

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