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KX-NS1000BX /KX-NS300BX

การติดตั้ง SIP Trunk กับ Catnextgen.com

Software NS300 PFMPR_004_100_770

The screenshot displays the 'Web Maintenance Console' for the NS300 device. The interface is in Thai and shows the 'IP Address/Ports' configuration page. The 'Basic Settings' tab is active, showing fields for IP Address (192.168.0.101), MAC Address (08:00:23:37:A5:F0), Subnet Mask (255.255.255.0), and Default Gateway (192.168.0.1). Below this, the 'DNS Setting' section shows a Port Number of 53 and options to obtain DNS server address automatically or use a specific address. The 'DSP IP Setting' section shows options to obtain DSP IP address automatically or use a specific address for 'DSP Card - 1', with fields for IP Address (192.168.0.102) and MAC Address (08:00:23:37:A5:F1). The interface includes a sidebar with navigation options like 'Users', 'PBX Configuration', 'UM Configuration', and 'Network Service'. A blue callout box on the right side of the screenshot contains the text: 'กำหนด IP Address ให้ PBX /Gateway/DSP'.

กำหนด IP Address ให้
PBX /Gateway/DSP

Activation Key

- 1.จะต้องติดตั้งการ์ด KX-NS5100X (DSP)
 - 2.จะต้องมี License VOIP/UM Feature (KX-NSF990)
 - 3.จะต้องมี License IP Trunk (KX-NSM1XX)
- Program -> 1.Configuration-> 1.Slot->Activation Key

The screenshot shows the 'Activation Key Status' page in a PBX configuration web interface. The left sidebar contains a navigation menu with categories like 'Users', 'PBX Configuration', '1. Configuration', '2. System', '3. Group', '4. Extension', '5. Optional Device', '6. Feature', '7. TRS', '8. ARS', '9. Private Network', '10. CO & Incoming Call', '11. Maintenance', 'UM Configuration', and 'Network Service'. The '1. Slot' option is selected.

The main content area is titled 'Activation Key Status' and includes a sub-section 'Activation Key Installation'. It displays the following information:

- MPR-ID: F901-0900-2337-A5F0
- Number of activated IP-GW: 0 / 4
- Number of activated IP-Softphone: 0 / 0
- Button: Activate Pre-installed Activation keys

Below this information is a table showing the status of various features:

Activated feature	Pre-installed	Activation key	Features in total
IP Trunk (ch)	0	4	4
IP Proprietary Telephone/IP Softphone (ch)	0	0	0
IP Proprietary Telephone (ch)	4	0	4
SIP Extension (ch)	0	10	10
IP-CS channel expansion (CS unit)	0	0	0
One-look Network	0	0	0
QSIG Network	0	0	0
Two-way Recording Control	0	0	0
Message Backup	0	0	0
UM Port (ch)	2	0	2
UM/E-mail (user)	0	0	0

At the bottom of the page, there is a section titled 'To activate virtual IP trunk activation keys' with the text 'Restart all virtual IP Trunk cards.' and an 'Execute' button.

เปลี่ยน Port SIP Extension 5060->15060

1.Configuration -> 1.Slot -> System Property -> Site -> Port

The screenshot shows the 'System Property - Site' configuration page. The left sidebar contains a navigation tree with '1.Slot' selected. The main content area has several tabs, with 'Port Number' being the active one. Below the tabs, there is a list of port numbers for various services. The 'UDP Port No. for SIP Extension Server' field is highlighted with a red box, indicating the change from 8000 to 15060.

Property	Value
Voice (RTP) UDP Port No. (Server)	12000
Voice (RTP) UDP Port No. (IP-PT / SIP-MLT)	8000
UDP Port No. for SIP Extension Server	15060
CWMP (HTTP) Port No. for SIP-MLT	7547
CWMP (HTTPS) Port No. for SIP-MLT	37547
Data Transmission Protocol (HTTP) Port No. for SIP-MLT	7580
Data Transmission Protocol (HTTPS) Port No. for SIP-MLT	37580
Firmware Update Port No. for IP-PT/IP-CS (Media Relay)	31021
LOGIN Port Number	33321
CTI Port Number	33333
Built-in Communication Assistant Server	33334

เปลี่ยน Port SIP Trunk 35060->5060

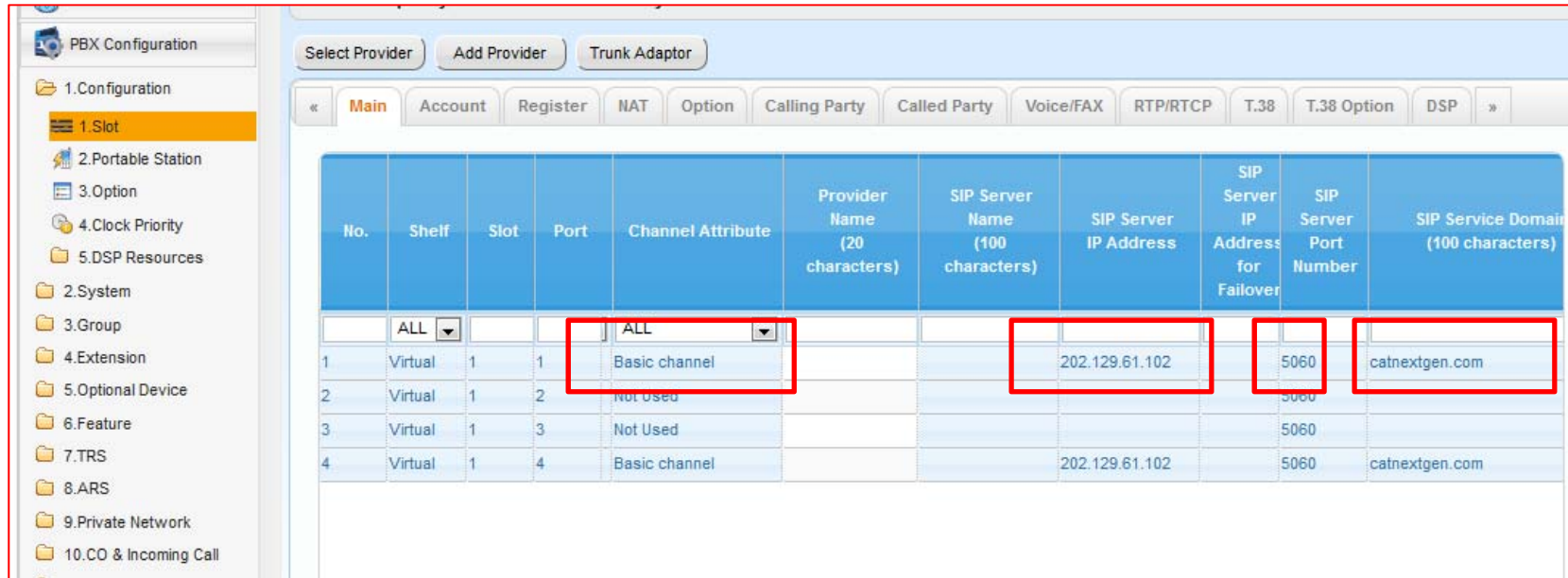
1.Configuration -> 1.Slot ->Virtual Slot->V-SIPGW4 ->Shelf Property

The screenshot shows the configuration interface for a Virtual SIP Gateway. The left sidebar contains a navigation tree with categories like 'Users', 'PBX Configuration', '1.Configuration', '2.System', 'UM Configuration', and 'Network Service'. The '1.Configuration' folder is expanded, showing sub-items like '1.Slot', '2.Portable Station', '3.Option', etc. The '1.Slot' item is selected. The main area displays the 'Shelf Property - Virtual SIP Gateway' configuration page, which is divided into 'Main' and 'Timer' tabs. The 'Main' tab is active, showing a list of configuration parameters. The 'SIP Client Port Number' field is highlighted with a red box and contains the value '5060'. Other parameters include NAT Traversal (Off), NAT - Voice (RTP) UDP Port No. (16000), NAT - Keep Alive Packet Sending Ability (Disable), NAT - Keep Alive Packet Type (Blank UDP), NAT - Keep Alive Packet Sending Interval (s) (20), NAT - Fixed Global IP Address (0.0.0.0), STUN Ability (Disable), STUN Client Port Number (33478), STUN External Address Detection Retry Counter (1), STUN Resending Interval (500 ms), SIP Called Party Number Check Ability (Disable(High->Low)), SIP Called Party Number Search Mode (Mode1), Symmetric Response Routing Ability (Enable), 100rel Ability (Enable(Passive)), and Ringback Tone to Outside Caller (Disable).

Parameter	Value
SIP Client Port Number	5060
NAT Traversal	Off
NAT - Voice (RTP) UDP Port No.	16000
NAT - Keep Alive Packet Sending Ability	Disable
NAT - Keep Alive Packet Type	Blank UDP
NAT - Keep Alive Packet Sending Interval (s)	20
NAT - Fixed Global IP Address	0.0.0.0
STUN Ability	Disable
STUN Client Port Number	33478
STUN External Address Detection Retry Counter	1
STUN Resending Interval	500 ms
SIP Called Party Number Check Ability	Disable(High->Low)
SIP Called Party Number Search Mode	Mode1
Symmetric Response Routing Ability	Enable
100rel Ability	Enable(Passive)
Ringback Tone to Outside Caller	Disable

การ Register SIP Account from CAT

1.Configuration ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Main



- Trunk Property ->Public
- Channel Attribute ->Basic Channel
- SIP Server IP Address ->202.129.61.102
- SIP Server Port Number ->5060
- SIP Server Domain name ->catnextgen.com

การ Register SIP Account from CAT

1.Configuration ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Account

No.	Shelf	Slot	Port	Connection	User Name (64 characters)	Authentication ID (64 characters)	Authentication Password (32 characters)
	ALL			ALL			
1	Virtual	1	1	OUS	+662XXXXXXXX	662XXXXXXXX@catnextgen.com	YYYYYY
2	Virtual	1	2	Fault			
3	Virtual	1	3	Fault			

- User Name -> +66XXXXXXXX หมายเลขโทรศัพท์
- Authentication ID -> 66XXXXXXXX@catnextgen.com
- Authentication Password -> รหัสผ่าน

การ Register SIP Account from CAT

1.Configuration ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Register

No.	Shelf	Slot	Port	Connection	Register Ability	Register Sending Interval (s)	Un-Register Ability when port INS	Regist (100)
	ALL			ALL	ALL		ALL	
1	Virtual	1	1	INS	Enable	3600	Disable	
2	Virtual	1	2	Fault	Enable	3600	Disable	
3	Virtual	1	3	Fault	Enable	3600	Enable	
4	Virtual	1	4	INS	Enable	3600	Disable	

Register Ability

-> Enable

Un-Register Ability when port INS

-> Disable

การ Register SIP Account from CAT

1.Configuration ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Option

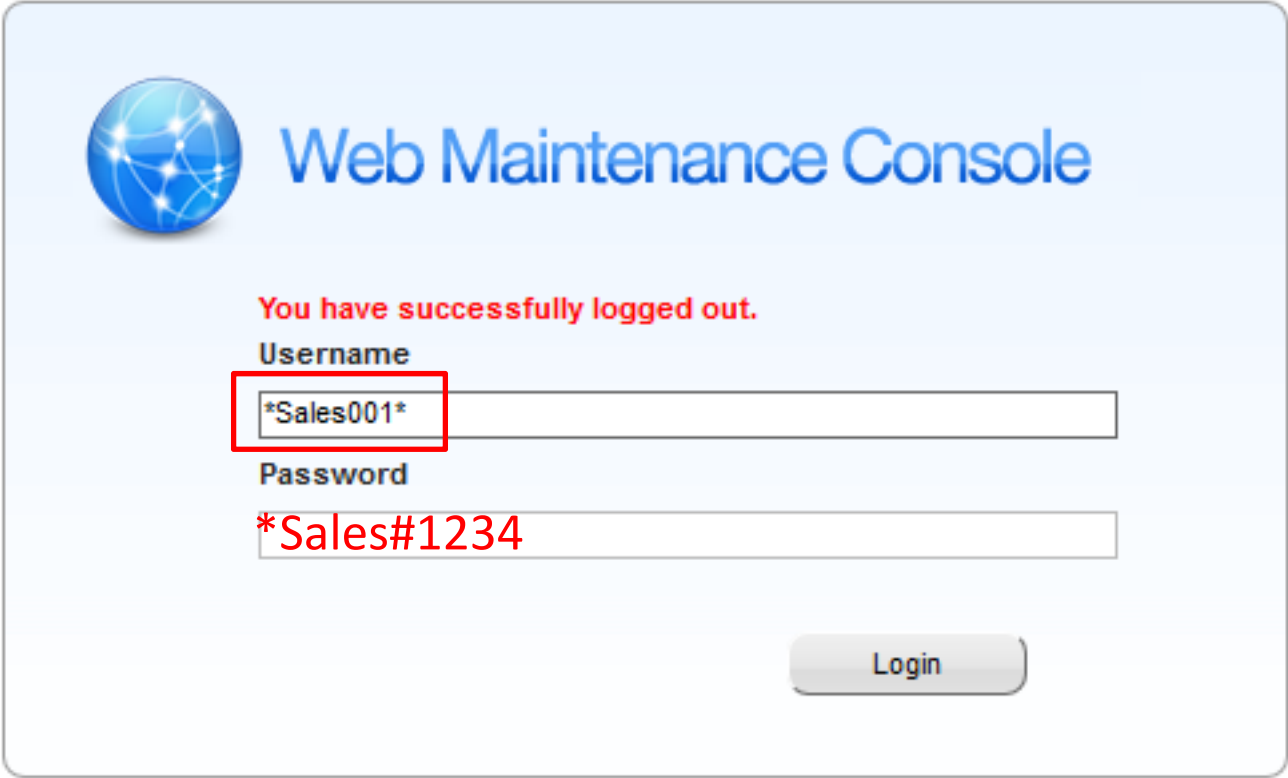
No.	Shelf	Slot	Port	Connection	Session Timer Ability	Session Expire Timer (s)	Session Refresh Method
	ALL			ALL	ALL		ALL
1	Virtual	1	1	INS	Enable(Passive)	3600	re-INVITE
2	Virtual	1	2	Fault	Enable(Passive)	180	re-INVITE
3	Virtual	1	3	Fault	Enable(Passive)	180	re-INVITE
4	Virtual	1	4	INS	Enable(Passive)	3600	re-INVITE

Session Expire Timer

-> 3600

Log In ด้วยรหัสพิเศษ

1.Configuration ->1.Slot ->Virtual Slot->V-SIPGW4 ->Port Property->Option



The image shows a screenshot of a web interface titled "Web Maintenance Console". At the top left is a blue globe icon with white network lines. Below the icon, the text "Web Maintenance Console" is displayed in blue. A red message states "You have successfully logged out." Below this, there are two input fields. The first is labeled "Username" and contains the text "*Sales001*", which is highlighted with a red rectangular box. The second is labeled "Password" and contains the text "*Sales#1234" in red. At the bottom center, there is a grey "Login" button.

Program->2.System->9.System Option ->Reserved (Bits)

14-4



Login Sales Mode
1. 2.Sytem -> 9.System Options
Reserved (bits) NO.14 - 4

NS1000 Web Maintenance Console

Login as "Sales001" Site 1 : NS1000

System Options

No.	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6 (CTI)	Option 7	Option 8	Option 9	Reserved (bytes)	Reserved (bits)
00											
01											
02		█	█	█				█			
03		█						█			
04											█
05	█										
06											
07			█								
08					█	█					
09					█	█		█			
0A	█										
0B	█		█							█	
0C											
0D			█	█							
0E											
0F											
10											
11											
12											
13											
14								█			

OK Cancel Apply

การกำหนดการเรียกเข้า Incoming Call

10. CO and Incoming Call ->2. DIL Table & Port Setting

DIL Table & Port Settings									
Destination Settings									
DIL CLI for DIL DDI / DID / TIE / MSN									
No.	Shelf	Slot	Port	Card Type	Trunk Property	Distribution Method	DIL Destination - Day		
	ALL			ALL	ALL	ALL			
1	1	1	1	LCOT6		DIL			
2	1	1	2	LCOT6		DIL			
3	1	1	3	LCOT6		DIL			
4	1	1	4	LCOT6		DIL			
5	1	1	5	LCOT6		DIL			
6	1	1	6	LCOT6		DIL			
7	Virtual	1	1	V-SIPGW4	Public	DIL	102		
8	Virtual	1	2	V-SIPGW4	Public	DDI / DID			
9	Virtual	1	3	V-SIPGW4	Public	DDI / DID			
10	Virtual	1	4	V-SIPGW4	Public	DIL	102		