

# Hybrid IP-PBX Hot-Swap Function



***AddPac***

**AddPac Technology**

2011, Sales and Marketing

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# IPNext Hybrid IP-PBX Platform

# IPNext Hybrid IP-PBX N1 Platform

| Model                                                   |          | IPNext250                                                                         | IPNext190                                                                          | IPNext187                                                                           | IPNext180                                                                           |
|---------------------------------------------------------|----------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Service Features</b>                                 |          |  |  |  |  |
| Registration User Number                                |          | 200                                                                               | 150                                                                                | 150                                                                                 | 100                                                                                 |
| Concurrent Call User Number                             |          | 100                                                                               | 50                                                                                 | 50                                                                                  | 30                                                                                  |
| IPv4/IPv6 Dual Stack Support                            |          | Support                                                                           | Support                                                                            | Support                                                                             | Support                                                                             |
| VoIP Signaling                                          | Internal | SIP                                                                               | SIP                                                                                | SIP                                                                                 | SIP                                                                                 |
|                                                         | External | H.323/SIP                                                                         | H.323/SIP                                                                          | H.323/SIP                                                                           | H.323/SIP                                                                           |
| Powerful IVR, UMS, Media Service, User Presence Service |          | Support                                                                           | Support                                                                            | Support                                                                             | Support                                                                             |
| RTP Proxy Service (IPv6, Private IP)                    |          | Support                                                                           | Support                                                                            | Support                                                                             | Support                                                                             |
| LAN Port                                                |          | 2                                                                                 | 2                                                                                  | 2                                                                                   | 2                                                                                   |
| VoIP Module Slots for PSTN                              |          | 10 Slots<br>(8 Port Module)                                                       | 4 Slots<br>(8 Port Module)                                                         | 3 Slots<br>(8 Port Module)                                                          | 2Slots<br>(8 Port Module)                                                           |
| VoIP Interface                                          |          | FXS, FXO,E1/T1                                                                    | FXS, FXO,E1/T1                                                                     | FXS, FXO,E1/T1                                                                      | FXS,FXO ,E1/T1                                                                      |



# VoIP Modules for Hybrid IP-PBX N1 Platform

# N1 Platform VoIP Modules

High-end  
DSP

## AP-N1-FXS8

8-Port FXS Voice Processing Module (8 x RJ11)



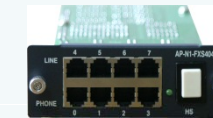
## AP-N1-FXO8

8-Port FXO Voice Processing Module (8 x RJ11)



## AP-N1-FXO4S4

4-Port FXO and 4-Port FXS Voice Processing Module (8 x RJ11)



## AP-N1-E1T1

1-Port VoIP Digital E1/T1 Interface Module(1xRJ45)



## AP-N1-2E1T1

2-Port VoIP Digital E1/T1 Interface Module(1xRJ45)



# N1 Platform VoIP Modules

High-end  
**DSP**

## **AP-N1-E&M4**

4-Port E&M Voice Processing Module (4 x RJ45)



# Hot-Swap Function Overview

High-end  
DSP

- Hot-Swap Function

- To insert/delete a new VoIP module while in-service state.
- Support push button switch for a VoIP module Hot-Swap
- Support status check LED

Example : IPNext180 Hybrid IP-PBX

Back Side



Hot-Swap Status LED

Push Button Switch for Hot-Swap

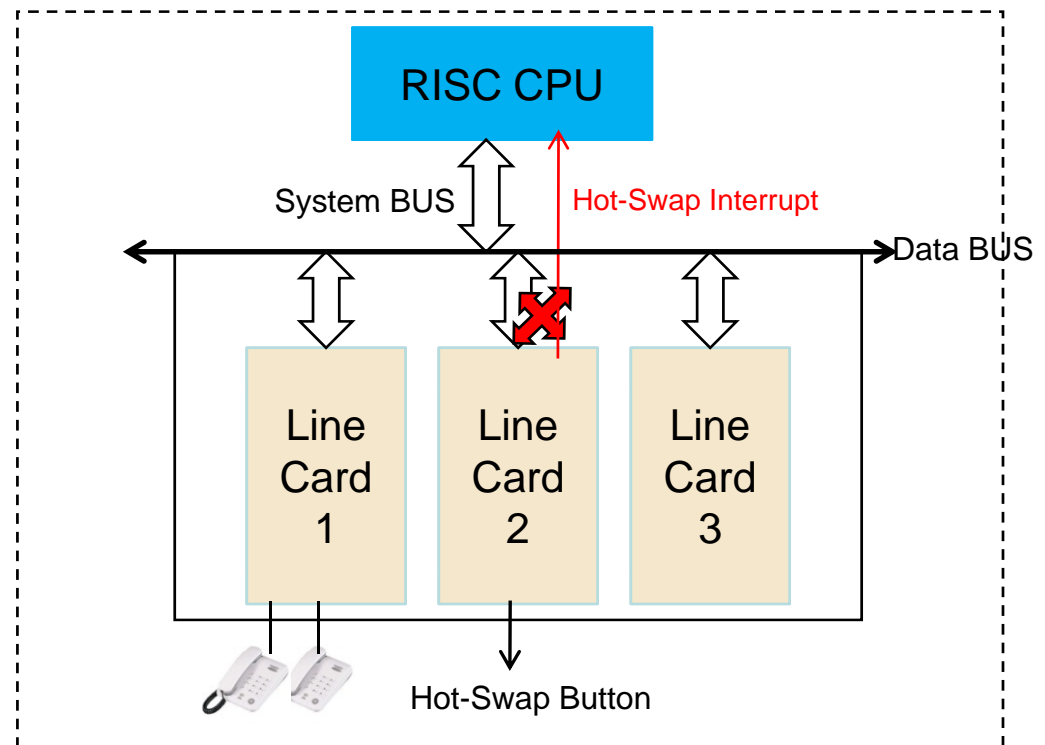


# System Architecture for Hot-Swap Function




## Hot-Swap Procedure

1. Hot-Swap LED ON
2. Push Hot-Swap Button
3. CPU Hot-Swap Register Polling
4. Bit High -> Low
5. Terminate Card Program
6. Hot-Swap LED OFF

## AddPac N1 Platform Hybrid IP-PBX



# Example : IPNext187 VoIP Module Exchange

|   |                                                                                     |                                                                                                                           |
|---|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 1 |    | <p>&lt;Push Hot-Swap Button&gt;<br/>Press Hot-Swap button for 3 seconds. LED will be turned off to remove the module.</p> |
| 2 |   | <p>&lt;Eject Module&gt;<br/>Check the status of LED OFF. You may remove the module from VoIP Gateway safely.</p>          |
| 3 |  | <p>&lt;Insert Module&gt;<br/>You may install the module in VoIP gateway safely.</p>                                       |

# Hybrid IP-PBX Series

# Thank you!

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