KX-HTS SIP trunk setting template with Internet Telephony Service Provider

Deploying on the existing router environment

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### LAN settings (Default)

#### LAN Settings

You can configure LAN settings of HTS such as LAN IP Address and DHCP configuration.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Address</td>
<td>192.168.0.101</td>
</tr>
<tr>
<td>Subnet Mask</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>MAC Address</td>
<td>BC: C3: 42: 1E: 24: 56</td>
</tr>
<tr>
<td>DHCP Mode</td>
<td>Server</td>
</tr>
</tbody>
</table>

#### DHCP Server

- **IP Pool Starting Address**: 192.168.0.102
- **IP Pool Ending Address**: 192.168.0.254
- **Lease Time**: One day

### WAN settings, when it using existing router.

#### WAN

HTS can be connected to your service provider in any of the following ways.

- **WAN TYPE**: Fixed IP
- **WAN connection Name**: WAN1_Fix_IP

<table>
<thead>
<tr>
<th>Setting</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP address, by your ISP</td>
<td>192.168.22.99</td>
</tr>
<tr>
<td>Subnet Mask</td>
<td>255.255.255.0</td>
</tr>
<tr>
<td>ISP Gateway Address</td>
<td>192.168.22.1</td>
</tr>
<tr>
<td>Static DNS</td>
<td>Yes</td>
</tr>
<tr>
<td>Primary DNS Server</td>
<td>192.168.22.1</td>
</tr>
<tr>
<td>Secondary DNS Server</td>
<td>8.8.8.8</td>
</tr>
</tbody>
</table>

If DNS proxy running on the existing router:

- **Primary DNS Server**: 192.168.22.1
- **Secondary DNS Server**: 8.8.8.8

**Version 1.0**
2. KX-HTS824  SIP Trunk common settings

➢ If you want to confirm SIP trunk ability, it is better to set a "No Connect" the other all port.

<table>
<thead>
<tr>
<th>Port</th>
<th>CD Line Number</th>
<th>Attribution</th>
<th>Trunk Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Edr</td>
<td>SIP Centre - 1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Edr</td>
<td>No Connect</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Edr</td>
<td>No Connect</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Edr</td>
<td>No Connect</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Edr</td>
<td>No Connect</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>Edr</td>
<td>No Connect</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>Edr</td>
<td>No Connect</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Edr</td>
<td>No Connect</td>
<td>1</td>
</tr>
</tbody>
</table>

➢ If ITSP require NAT-off, Fixed-IP and STUN, it is common setting for SIP Extension and Trunk.

SIP Port is common for both Extension and Trunk.

NAT Traversal is off by default setting.

If ITSP does not support a SBC functions, you should be use Fixed-IP settings.

If ITSP supports a STUN functions, you may use STUN method.

It should be enter the STUN server name which informed by ITSP.
3. KX-HTS SIP trunk basic configuration template (Domain Name)

- **Account Info which provided by the ITSP**
  1. Provider Name: Provider A
  2. User Name: 12345678
  3. Authentication ID: 12345678
  4. Password: 11223344
  5. Proxy Server: ims.panasonic.com
  6. Proxy Port: 5060
  7. SIP Service Domain: sip.panasonic.com

- **If provider require the domain name for the SIP proxy server.**
- **If provider require the SIP Service Domain (not mandatory).**

3. Trunk - 7. SIP Trunk Property – SIP Carrier-1

- **If ITSP support a SBC functions, you should be use NAT off settings.**

2. Extension - 7. SIP Extension Property – SIP Extension & SIP Trunk Common
4. KX-HTS SIP trunk Basic configuration template (IP address)

- **Account Info which provided by ITSP**
  1. Provider Name: Provider A
  2. User Name: 12345678
  3. Authentication ID: 12345678
  4. Password: 11223344
  6. Proxy Port: 5060
  7. SIP Service Domain: sip.panasonic.com

As a precondition, HTS supports only ITSP which are same the Register server and the SIP proxy server. HTS doesn’t support an ITSP which are different the Register server and the SIP proxy server.

Provider require the IP address for the SIP proxy server.

If provider require the SIP Service Domain (not mandatory).

3. Trunk - 7. SIP Trunk Property – SIP Carrier-1

If ITSP support a SBC functions, you should be use NAT off settings.

2. Extension - 7. SIP Extension Property – SIP Extension & SIP Trunk Common

- **NAT Traversal**
  - Off
  - Fixed IP Address
  - STUN
  - DDNS
  - NAT - Fixed Global IP Address: 0.0.0.0
  - NAT - STUN Server: [0-9 a-z A-Z - .]
  - NAT - Host Name: 0.0.0.0
  - NAT - STUN/DDNS Refresh Interval: 60 (s)
  - RTP Inactive Timer: 0 (s)
5. KX-HTS SIP trunk Fixed-IP configuration template (IP address)

- Account Info which provided by ITSP
  1. Provider Name: Provider A
  2. User Name: 12345678
  3. Authentication ID: 12345678
  4. Password: 11223344
  6. Proxy Port: 5060
  7. SIP Service Domain: sip.panasonic.com

As a precondition, HTS supports only ITSP which are same the Register server and the SIP proxy server. HTS doesn’t support an ITSP which are different the Register server and the SIP proxy server.

Provider require the IP address for the SIP proxy server.

If provider require the SIP Service Domain (not mandatory).

3. Trunk - 7. SIP Trunk Property – SIP Carrier-1

- If ITSP is not support a SBC functions, you should be use Fixed-IP settings

2. Extension - 7. SIP Extension Property – SIP Extension & SIP Trunk Common
6. KX-HTS SIP trunk Non Register configuration template

**Account Info which provided by ITSP**

1. **Provider Name**: Provider A
2. **User Name**: 12345678
3. **Authentication ID**: 12345678
4. **Password**: No require
5. **Proxy Server**: 210.123.123.123
6. **Proxy Port**: 5060
7. **SIP Service Domain**: sip.panasonic.com
8. **Register Ability**: Disable

**As a precondition, ITSP is not require the Register. It should be disable the Register Ability.**

- Provider has authenticated by the Fixed-IP address.
- Provider require the IP address for the SIP proxy server.
- If provider require the SIP Service Domain (not mandatory).
- When provider no require the Register.

3. Trunk - 7. SIP Trunk Property – SIP Carrier-1

- If ITSP is not require the Register, it will be use a Fixed-IP settings.

2. Extension - 7. SIP Extension Property – SIP Extension & SIP Trunk Common

**NAT Traversal**

- **NAT - Fixed Global IP Address**: 210.10.10.123
- **NAT - STUN Server**: [0-9 a-z A-Z . -]
- **NAT - Host Name**: 0.0.0.0
- **NAT - STUN/DDNS Refresh Interval**: 60 (s)
- **RTP Inactive Timer**: 0 (s)

Version 1.0