

## Wharf T&T SIP Trunk – Sipdex M200 IPPBX



### Connection Example

#### IP Address provided by WHARF T&T for M200 IPPBX

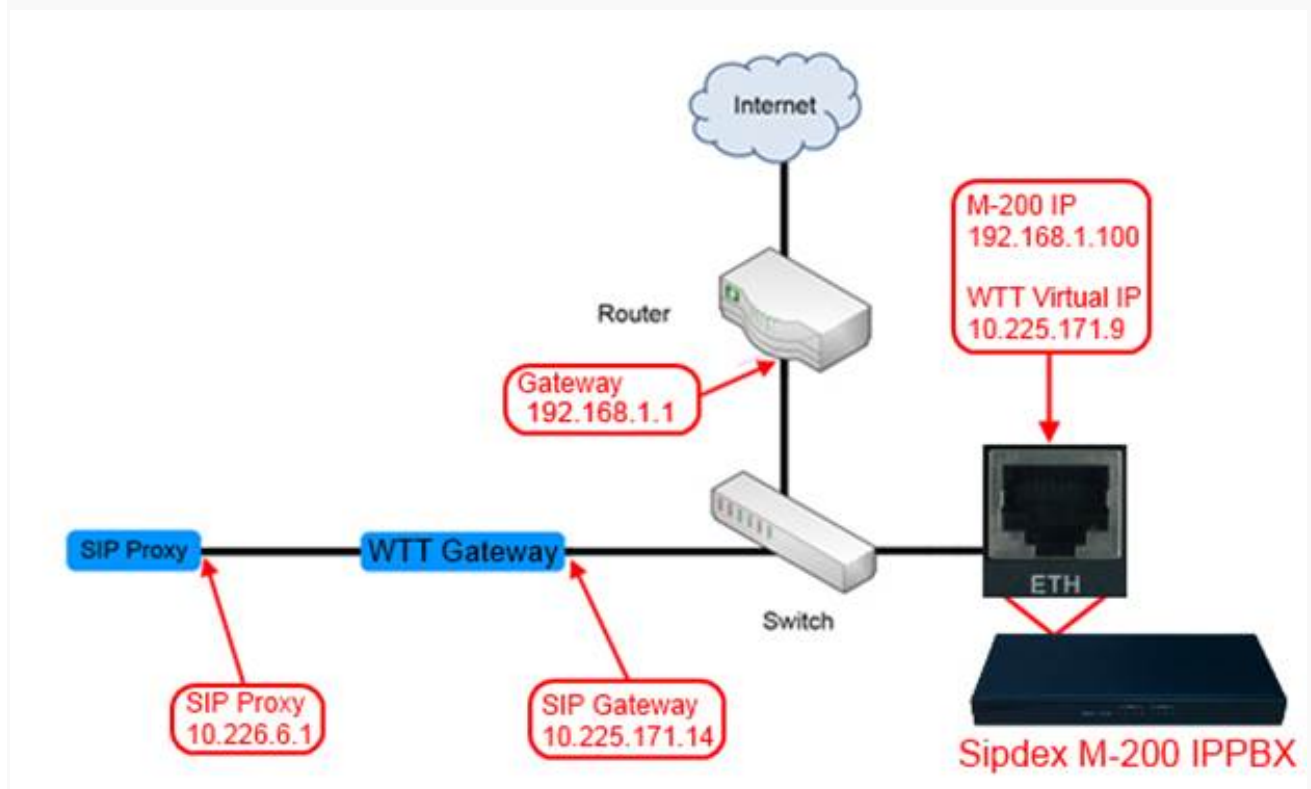
IP Address: 10.225.171.9 (Example)

SIP Trunk Gateway: 10.225.171.14 (Example)

Subnet Mask: 255.255.255.248 (Example)

Wharf T&T PSTN Sip proxy: 10.226.6.1 (Example)

### Hardware Connection



## Check Firmware Version

To connecting the Sipdex M200 IPPBX to Wharft T&T Sip trunk, the Firmware version must be v1.05 or above with patch 2 installed.

Device Info			
Model No.:	M-200 IPPBX	System Version:	1.0.5
System Patch(es):	patch1, patch2		

Current Time:12/09/14 15:48	Run Time:22 min
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To Upgrade the Firmware , please go to our website ([www.sipdex.com](http://www.sipdex.com)) to download the source file and upload to the M200. Firstly, go to the [System], and then Select [Web Upgrade] and [Restore Default set], the [choose the file] and press [upload].

Attention: System Reboot is required after the firmware updated, and then all the setting will be restore to factory setting.

## Sipdex M-200 IPPBX Configuration

### Step 1) Create SIP Account

Click Basic > Extensions > New User > Input SIP ACCOUNT information

**New** X

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**General**

SIP:	<input checked="" type="checkbox"/>	IAX2:	<input type="checkbox"/>
Name:	<input type="text" value="800"/>	Extension:	<input type="text" value="800"/>
Password:	<input type="text" value="MbAiK_U9SV"/>	Outbound CID:	<input type="text"/>
DialPlan:	<input type="text" value="DialPlan1"/> ▼	Analog Phone:	<input type="text" value="None"/> ▼

**Voicemail**

Enable:	<input checked="" type="checkbox"/>	Password:	<input type="text" value="1234"/>
Delete VMail:	<input type="checkbox"/>	Email(Fax/Voicemail):	<input type="text"/>

**Other Options**

Web Manager:	<input checked="" type="checkbox"/>	Agent:	<input type="checkbox"/>	Call Waiting:	<input checked="" type="checkbox"/>
Allow Being Spied:	<input type="checkbox"/>	Pickup Group:	<input type="text"/>		
Mobility Extension:	<input type="checkbox"/>	Mobility Extension Number:	<input type="text"/>		

**VoIP Settings**

NAT:	<input checked="" type="checkbox"/>	Transport:	<input type="text" value="UDP"/> ▼	S RTP:	<input type="checkbox"/>
DTMF Mode:	<input type="text" value="RFC2833"/> ▼	Permit IP:	<input type="text"/>		

**Video Options**

Video Call:	<input type="checkbox"/>	<input type="checkbox"/> H.261	<input type="checkbox"/> H.263	<input type="checkbox"/> H.263+	<input type="checkbox"/> H.264
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**Audio Codecs**

<div style="border-bottom: 1px solid #ccc; padding-bottom: 5px;">g722 g726 gsm speex</div> <p style="text-align: center;"><b>Disallowed</b></p>	<div style="border: 1px solid #ccc; padding: 5px; width: 30px; margin: 0 auto;">→ ← ««</div>	<div style="border-bottom: 1px solid #ccc; padding-bottom: 5px;">ulaw alaw g729</div> <p style="text-align: center;"><b>Allowed</b></p>
<input type="button" value="Save"/> <input type="button" value="Cancel"/>		

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## Step 2) Create SIP Trunk

Click Basic > Trunks > New VoIP Trunk > Setup SIP Trunk

Description : Input SIP Trunk Name, For e.g. WHARF T&T SIP Trunk

Protocol : Select SIP

Host : Input WHARF T&T SIP Server IP / SIP Proxy

Maximum Channels : Input Number of SIP Trunk Channel

Without Authentication : Tick

Click Save

### New VoIP Trunk X

Description: **5.** WTT SIP Trunk

Protocol: **6.**

Peer Mode:

Host: **7.** 10.226.6.1 :5060

Maximum Channels\*: **8.** 99

Prefix: \_\_\_\_\_

Outbound CID: \_\_\_\_\_

Without Authentication **9.**

**Advanced Options**

**10.**

## Step 3) Create Outbound Routes

Click Basic > Outbound Routes > New DialRule

Rule Name : Enter DialRule Name , For E.g. WHARF T&T SIP Trunk

Place this call through : Move the Trunk to Selected Trunks

Custom Pattern : Enter the Outbound call Condition . For Eg. XXX. means that to use WHARF T&T SIP Trunk when the dialing number is over than 3 digits

Attention : Custom Pattern must be CAPITAL LETTERS

**New DialRule** X

**11.** Rule Name: WTT SIP Trunk

PIN Set:

Call Duration Limit: \_\_\_\_\_ seconds

Time Rule:

Place this call through:

<div style="border: 1px solid #ccc; height: 100px; width: 100%;"></div> <p style="text-align: center;"><b>Available Trunks</b></p>	<p>&gt;&gt;&gt;</p> <p>→</p> <p>←</p> <p>&lt;&lt;&lt;</p>	<p><b>12.</b></p> <div style="border: 1px solid #ccc; padding: 5px; height: 100px; width: 100%;"><p>WTT(SIP)</p></div> <p style="text-align: center;"><b>Selected Trunks</b></p>
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**13.** Custom Pattern: XXX.

Z Any digit from 1 to 9  
N Any digit from 2 to 9  
X Any digit from 0 to 9  
 . Any number of additional digits

Delete \_\_\_\_\_ digits prefix from the front and auto-add digit \_\_\_\_\_ before dialing

**14.**

## Step 4) Create New Inbound Routes

Click Inbound Control > Inbound Routes > Number DIDs > New Number DID

DID Number : Input The last 3 Digits of the Sip Trunk Number Range from WHARF T&T, For eg 3123 4572 – 3123 4581 , Then input 572 .

Destination : select the destination regarding to your need. if you want to ring Extension 800 when Incoming to 31234572, so you should select Goto Extension, enter 800 and click save

**New Number DID** X

DID Number: 15.

Destination: 16.   17.

18.

## Step 5) Setup Virtual Interface

Click Network Settings > Network > IPv4 Settings > Virtual Interface

IP AddressV1 : Tick · Input the IP address provided by WHARF T&T, For eg: 10.225.171.9

Subnet MaskV1 : Input the Subnet provided by Wharf T&T , For Eg: 255.255.255.248

Click Save

- Home
- Operator
- Basic
- Inbound Control
- Advanced
- Network Settings
- Network 19.
- 3G Network
- Static Routing
- VPN Server
- VPN Client
- DHCP Server
- DDNS Settings
- SNMPv2 Settings

Network

20. IPv4 SettingsIPv6 SettingsVLAN Settings

**Ethernet Port Setup**

IP Assign:	<input type="text" value="Static"/>
IP Address:	<input type="text" value="192.168.1.100"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Gateway:	<input type="text" value="192.168.1.1"/>
Primary DNS:	<input type="text" value="8.8.8.8"/>
Alternate DNS:	<input type="text"/>

**Virtual Interface**

<span style="color: red; font-weight: bold;">21.</span> <input checked="" type="checkbox"/> IP AddressV1: <input type="text" value="10.225.171.9"/>	<span style="color: red; font-weight: bold;">22.</span> Subnet MaskV1: <input type="text" value="255.255.255.248"/>
<input type="checkbox"/> IP AddressV2: <input type="text"/>	Subnet MaskV2: <input type="text"/>

23.

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## Step 6) Create New Static Route

Click Network Settings > Static Routing > Static Routing > New Static Routing

New Static Routing		X
Destination Network:	<u>10.226.6.0</u>	24.
Subnet Mask:	<u>255.255.255.0</u>	25.
Gateway:	<u>10.225.171.14</u>	26.
27. <input type="button" value="Save"/> <input type="button" value="Cancel"/>		

Destination IP : Enter the Network IP of provided by Wharf T&T, For eg : 10.226.6.0

Subnet Mask : Enter the Subnet provided by WHARF T&T, For Eg: 255.255.255.0

Gateway: Enter the Gateway IP provided by Wharf T&T for eg: 10.225.171.14

Click Save

(Finish)