

# Enterprise IP-PBX Extension

Easily reduce CT investment and operation costs

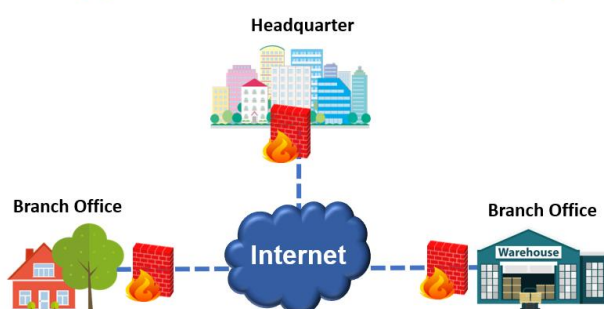


## Enterprise IP-PBX Extension

Ottel iGateway is an IP-PBX voice extension communication device developed specifically for small and medium-sized enterprises and multi-branch offices. It provides 8 dynamic DSP channel voice access for each branch site, integrating desktop extensions, mobile extensions, and remote extensions, allowing iGateway to help you easily implement enterprise mobile office applications.

Ottel iGateway, also known as a VoIP to VoIP Gateway, is compatible with other series of VoIP gateways. It can be easily set up and managed through a web-based user interface, and can also integrate with enterprise IP-PBX communication architectures, extending the scope of IP-PBX usage. It is an easy-to-manage, convenient, and cost-effective complete IP voice solution. This device can be better configured with Ottel VoIP gateways, ensuring smooth operation and seamless integration of more functions. Ottel can also provide complete enterprise voice integration solutions.

### Support Distributed Office Setup



### Support SMART Device with SIP Client

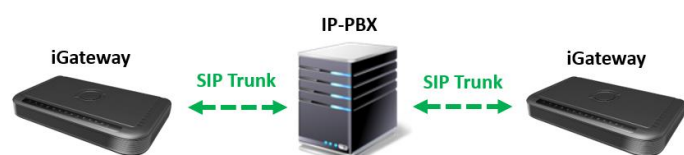


## Key Technical Features

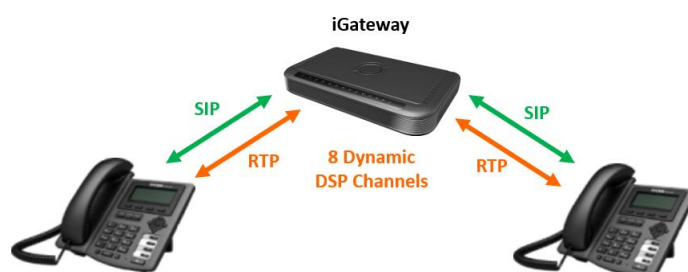
- **SIP Compatibility** : Compliant with the SIP (RFC 3261) standard, interoperable with most SIP Servers or IP-PBX systems.
- **Voice Codec** : Supports G.711 a/μ, G.729A, G.723.1, G.726-32K, and GSM codecs, balancing quality and bandwidth efficiency.
- **Voice Channels** : Provides 8 dynamic DSP channels, dynamically allocating resources for voice transcoding and processing.
- **Telephone Ports** : 4 RJ-11 ports, allowing remote FXS registration (including GW, IP Phone, and Softphone) as extensions.
- **Fax Support** : Supports T.38 and T.30 fax protocols, enabling the integration of fax equipment into the VoIP network.

It offers a rich set of calling features, supporting multiple functions including Hold, Waiting, Parking, Pickup, 3-Way, Extension Transfer (Blind Transfer/ Prompt), Forward, Do Not Disturb (DND), Speed Dial, Incoming Call Blocking and Outgoing Call Blocking, Ring Group/ Hunt Group, DID (Direct Dialing Internal Line), Call Queue, and Call Logging.

### Enhanced IP-PBX Call Routing



### Dynamic DSP for Codec Transcoding



## Enterprise Application Scenarios

### Branch Office Voice Extension

Deploy iGateway in each branch office, allowing branches to register desktop or software extensions. Extensions can connect to the headquarter IP-PBX or SIP Server via WAN/ LAN, enabling functions such as calling, call transfer, and queuing with headquarters. Branches no longer need to build a complete IP-PBX, saving equipment and management costs.

### Remote or Home Office

Remote employees (e.g., those working from home) can register using IP phones or softphones through iGateway. iGateway integrates remote telephone terminals into the company's SIP system, making calls feel like they are within the company premises. This allows enterprises to maintain a unified calling policy (e.g., extension numbering, transfer rules, speed dial).

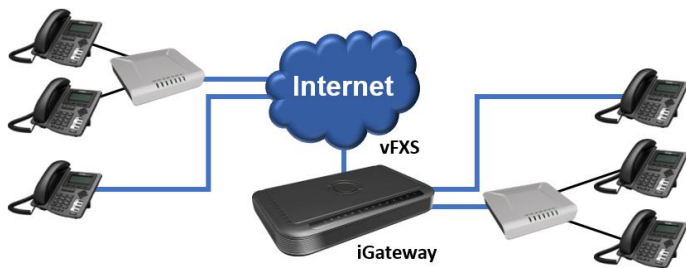
### Multi-Site Interconnection

If an enterprise has multiple locations (e.g., headquarters + branch offices + warehouses), iGateway can be deployed at each site. Each site can conduct VoIP calls (peer-to-peer) with each other, or all sites can be registered to a single SIP server. This architecture effectively reduces internal call costs (especially for cross-site calls) and simplifies management.

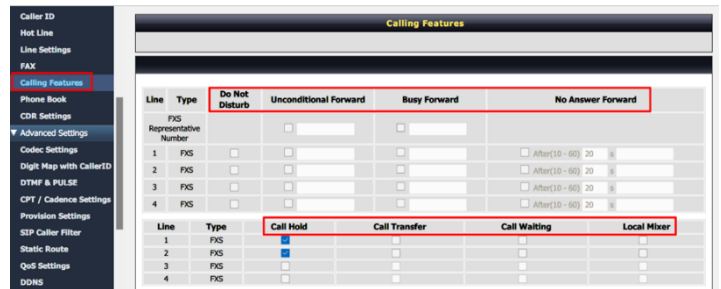
### Fax Device Integration

If a company still has faxing needs at certain sites (e.g., finance, legal departments), it can leverage T.38/ T.30 support to integrate faxing. Fax devices connect via FXS ports, with iGateway handling the fax relay to the SIP network.

## Support WAN and LAN Registration



## Digitmap with VoIP to VoIP Call Flow



## Advantages Summary

- Cost-Effectiveness :** Avoids deploying a complete IP-PBX at each site, reducing hardware and maintenance costs.
- Flexible Expansion :** Branch offices, remote offices, or mobile extensions can all be uniformly integrated into the SIP system.
- Rich Functionality :** Supports various call management features (transfer, queueing, Ring Groups, etc.), highly aligned with enterprise-level communication needs.
- Easy Management :** Facilitates maintenance by IT/CT team through a web interface, backup, and event logging mechanisms.
- Fax Integration :** Supports real-time fax (T.38) and fax bypass (T.30), suitable for environments that still use paper faxes.

