

Simplify your telephony *Yes*



Simplify your connection to the traditional phone network with our enterprise SIP trunking solution, and set a path to integrate voice and data.

Key benefits

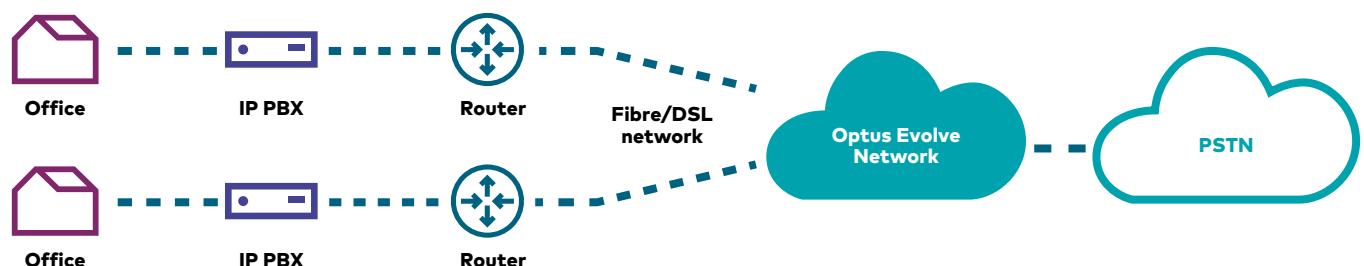
- Easy to connect an IP PBX or TDM PBX to the PSTN without the need for costly and complex mediation devices.
- Potential to reduce your total cost of ownership and enhance data traffic performance by combining Optus Evolve Voice with Optus Evolve IP VPN as a converged voice and data solution.
- Enables you to consolidate your PBXs and PSTN connections for lower costs and a simpler telephony network.
- High reliability with enhanced resilience and redundancy options.
- Provides a clear pathway for voice and data convergence and IP telephony when appropriate for your business.

Optus Evolve Voice is an enterprise grade SIP trunk service providing flexible, scalable and reliable telephony for your IP PBX or TDM PBX. It supports all call types including voice, fax, eftpos, dial-up modem and TTY calls.

The Optus Evolve Voice trunk connects your PBX to the public switch telephone network (PSTN) and allows extensions to make and receive calls as required, with IP PBXs connected via an Ethernet LAN or TDM PBXs connected via a ETSI PRI interface. Connection is simple and no on-site mediation devices are required, helping you to reduce costs.

You can use Optus Evolve Voice as a voice only service or combine it with Optus Evolve IP VPN to converge voice and data, for both IP PBX and TDM PBX environments. Converging voice and data can reduce total cost of ownership by removing the need for separate access connections for voice and data and can also offer more efficient use of available bandwidth, to better support your important business operations. When you are not using your Optus Evolve Voice service to its maximum capacity, the allocated channel bandwidth for voice can be used for your data traffic, to improve throughput. If an idle channel(s) is required to handle an incoming or outgoing call, the bandwidth is instantaneously reallocated to the voice channel to enable the call to progress as per normal.

Optus Evolve Voice also supports centralised PBX architectures with the ability to connect multiple trunk groups and national telephone numbers to a single centralised PBX, giving you the opportunity to reduce the cost of multiple PBX and PSTN connections.



Optus Evolve Voice features and benefits

Feature	Benefits
Implement a centralised IP PBX architecture with national trunk consolidation by making use of Optus Evolve Voice multiple trunk groups and out of area numbers.	Multiple trunk groups allow you to implement a more simplified and cost effective business telephony solution – simplified operations, fewer connections to the PSTN, possible lower gateway costs, enhanced user experience and reduced voice charges.
True SIP solution with an Ethernet handover.	Allows you to connect an IP PBX to Optus Evolve Voice without the need for a media gateway.
Proven interoperability with a large number of IP PBXs from different manufacturers.	You are free to choose the IP PBX you want. Optus Evolve Voice is able to connect to any SIP compliant IP PBX.
Support for legacy TDM PBXs.	Protects your existing investment in TDM PBX equipment and provides you with a simple transition path to IP telephony at a time of your choosing.
Enhanced capabilities such as Optus provided Session Border Controller (CUBE), Customer Managed Router and various Network Address Translation (NAT) options.	Provides more ways for IP PBXs to connect to Optus Evolve Voice, making it easier for you.
Removes the need for separate connections for voice and data by allowing convergence.	Resulting in a potential reduction in total cost of ownership.
Service allows idle voice bandwidth to be used to carry data traffic.	Improve data traffic performance.
Standard telephone service, not a Voice over IP best effort service.	Provides you with a SIP trunk service with quality equal to a landline service and compliant with the ACMA requirements.
Faxes handled via G.711 fax pass-through mode or T.38	Gives you the freedom to choose how you want to send a fax.
Engineered to a very high standard – • 20msec packetisation, • G711/G729a 110K/41K bandwidth per channel with no contention, • maximum of 90% (voice only) or 70% (voice & data) Gold Real Time allocation on the IP VPN • Minimum echo <32ms, high call completion >99.98% • premium quality IP VPN (< 0.1% packet discards, max latency 150 msec), • CE router with sufficient capacity, capped at maximum of 70% CPU utilisation.	Users have come to expect only the very best in terms of audio quality on their landline voice services, and Optus Evolve Voice delivers with high audio quality voice calls.
Multiple switches, not just one or two nationally.	Allows more resilient services to be provided and avoids potential billing complications and tromboning of calls with lowered call quality.
Multiple layers of resilience (via the voice switch layer and/or IP layer) at the individual service level.	Optus Evolve Voice is able to provide you with a range of resilience options to help meet your particular business requirements.
Dual Voice Trunk - one of the various Optus Evolve Voice redundancy options available.	Allows for load balancing across two separate physical trunks for greater reliability.
No line rental charge in a converged voice and data environment.	In a converged environment you only pay for your total IP bandwidth requirement, providing you with potential cost savings.
No IP bandwidth charge in a voice only environment.	If you are using Optus Evolve Voice for voice only then you only pay a simple line rental charge.
Scale down to 2 channels minimum with 1 channel increments in a converged voice and data environment (10 channel minimum for voice only).	You don't have to buy more than you need, especially with a converged voice and data solution.