



Your IP traffic exchange

Our secure ecosystem

The future is exciting.
Ready?



Vodafone IP eXchange (IPX) Services

Vodafone's IPX offers a secure, reliable alternative to the public Internet. It enables you to implement global, commercially sustainable interworking and roaming services with unmatched customer experience. Vodafone IPX enables a one-stop access to our 535+ million mobile subscribers.

The need for committed exchange of IP traffic keeps on growing significantly.

With the expected growth in messages, voice and video over LTE and increased data usage, international interconnect and roaming stays extremely important for mobile operators.

While establishing new roaming propositions or looking for combined solutions or alternatives, Vodafone IPX Services provide improved efficiency and cost reducing solutions, instead of the usual independent interconnections per service.

Vodafone Carrier Services (VCS) provides a global and secure community of trusted telecom networks to our customers.

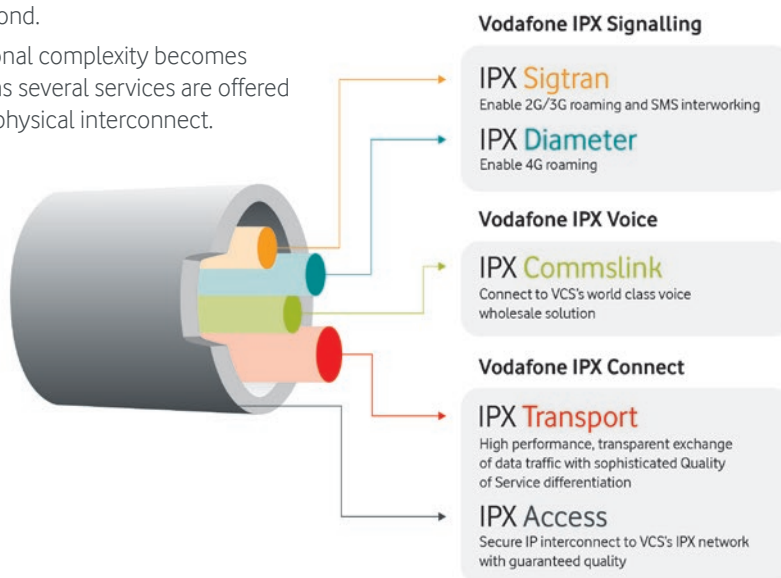
Vodafone IPX supports IP services in a highly secure ecosystem, reducing complexity and saving costs.

Vodafone IPX Connect grants access and supports transparent data traffic exchange with different quality classes while Vodafone IPX Signalling enables the implementation of SMS interworking and roaming solutions.

Vodafone IPX Voice connects customers to VCS International Voice. By signing one single service schedule with VCS you will have access to the Vodafone network. With our global reach, Vodafone IPX Service provides secure exchange of IP traffic via VCS's private managed, global MPLS network and beyond.

Operational complexity becomes simple, as several services are offered via one physical interconnect.

Adding supplementary services is fast and straightforward, and at the same time you will benefit from connecting directly to Vodafone's 535+ million mobile customer base and numerous partner markets.



Vodafone IPX Signalling

Cost savings with high quality, committed signalling capacity

IPX Signalling supports roaming solutions and efficient, feature-rich access to the Vodafone Messaging Hub providing service-aware, multilateral connectivity and hubbing services.

- **Vodafone IPX Sigtran**

It grants access to our SS7 Network, covering the need for 2G/3G signalling and roaming, enabling global, real-time transport and delivery of SS7 messages (MSUs) over IP.

Sigtran offers MNOs and SMS Hubs a committed capacity service, while providing cost savings from the shared interface.

- **Vodafone IPX Diameter**

It supports 4G enabled MNOs by facilitating the global and reliable exchange of Diameter Transactions (DTRs), providing access to our worldwide Diameter Network.

The shared interface guarantees cost savings by helping the fast rollout of 4G roaming with global, real-time delivery of 4G signalling messages and interworking between mobile operators.

Vodafone IPX Connect

Access infrastructure simply and exchange data securely

Vodafone IPX Connect offers a secure IP access to our private managed, global MPLS network for a range of services with guaranteed quality classes. Vodafone IPX Connect delivers global connectivity via peering arrangements with other IPX providers.

- **Vodafone IPX Access**

It grants access to our infrastructure with guaranteed quality IP interconnect to VCS's MPLS network with defined rules, operational processes and business models for a range of services.

- **Vodafone IPX Transport**

It offers guaranteed and transparent data exchange with different quality classes to all service providers. Suited for the exchange of 4G roaming data traffic with varying Quality of Service demands.

Vodafone IPX Voice

- **Vodafone IPX Commslink**

It facilitates partners to exchange voice and (in the future) video traffic with Vodafone. The IPX Commslink Service transports signalling and media traffic transparently between both parties.

Why Vodafone Carrier Services?

- **Global reach and scale**

- Over 1 million km of network including terrestrial and undersea.
- 800 international PoPs across 150 countries.
- Partnerships with all the top tier carriers.
- Capacity on 73 cable systems, including 25 major international submarine cables.

IP eXchange is a robust alternative to the public Internet, utilising our existing private networks and service platforms.

Next steps

To discover more about how Vodafone IPX Services can grow your business and extend your reach, please contact your Account Manager or get in touch at:

carrierservices@vodafone.com

For more information, please visit: www.vodafone.com/business/carrier-services

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