

# IP Transit

- Internet access involving vast data volumes and demanding traffic
- Uplinks to a range of TIER 1\* global networks
- Optimal traffic quality
- Connection through 1 Gbit/s or 10 Gbit/s port
- Delivered with or without redundancy

Given the expanding array of online services, internet access must live up to ever-growing demands in terms of higher availability, higher speeds, shorter response times, as well as lower jitter and less packet loss. This is why GlobalConnect has developed IP Transit, which offers high-quality professional internet access.

## Optimal internet traffic quality

GlobalConnect has chosen to optimise quality by entering into transit agreements with a series of TIER 1 providers\*. The TIER 1 providers have been carefully selected to complement each other so as to enable GlobalConnect to offer worldwide coverage and market-leading traffic quality.

Of course, in addition, GlobalConnect is constantly increasing the number of bilateral peerings, which also enhances traffic quality and network reliability. Thus, IP Transit closely matches GlobalConnect's other portfolio of quality products.

## Benefit from economy of scale

It is usually not profitable to use several transit operators with very high traffic volumes. However, as an IP Transit client at GlobalConnect, you share in the same benefits even at lower traffic volumes, since we are in a position to offer IP Transit on market-leading terms.

## Designed for heavy use

Through IP Transit, GlobalConnect offers internet access that is tailor-made to suit providers and large-scale users of IP traffic. Dynamic routing based on the Border Gateway Protocol (BGP) is used, connecting through 1Gbit/s or 10Gbit/s ports. The traffic can burst up to line speed, and billing is typically based on traffic demands.

\* The TIER 1 providers' network makes up the global backbone of the internet

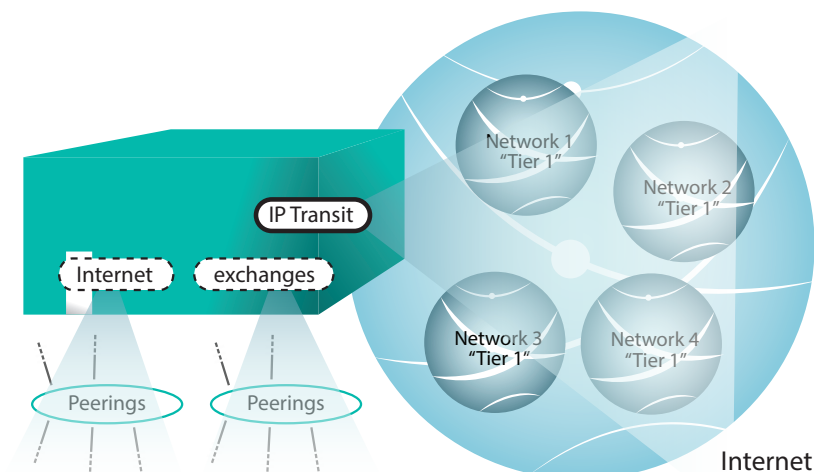


Figure 1: IP Transit has uplinks to several TIER 1 networks

# Technical Data

## Complementary options for peering

In addition to offering an optimal transit service, GlobalConnect also offers our customers an opportunity to further optimise traffic quality and lower traffic costs by means of products such as AMS-IX Port, which enables significant traffic volumes to be undertaken through peering agreements.

## Redundancy

IP Transit is available with full redundancy, giving you access through ports on two different routers. BGP routing ensures that internet traffic always finds its way through the nearest port. If one port fails, all traffic is automatically rerouted through the other port.

IP addresses and AS-numbers	IP Transit usually assumes the use of the customer's own IP addresses and own AS numbers, i.e. IP addresses are not included. However, Global Connect is happy to assist in applications for AS number and IP addresses.
Port speeds	1 Gbit/s or 10 Gbit/s
Delivery sites	GlobalConnect's housing facilities in Taastrup, Kolding and Hamburg. Also available throughout Denmark via GlobalConnect's fibre-optic network
Billing method	Based on traffic demands (95% percentile method) with a minimum commitment
Supported IP protocols	IPv4 and IPv6
Routing protocol	BGP4