

# BUSINESS IP TRANSIT

For companies with their own autonomous system (AS).

Being a member of a T1 carrier means that UPC Business is linked to the most important Internet exchange points around the globe. The UPC Business network has redundant connections to the Internet in Zurich and Geneva. This means that UPC Business can guarantee you a high level of national and international availability. Bandwidths of up to 10 Gbit/s are available for Business IP Transit.

The Business IP Transit Services by UPC Business meet the special requirements of large companies that wish to use their own AS and advertise their AS. Clients with Managed Multi-homing can thus be connected to the Internet using their own IP address pools and AS without having to concern themselves with the complexities of Internet routing.

The management options facilitate Internet access via several Internet service providers managed by UPC Business. Alternatively, the customer can manage the service himself or commission another service provider to do so.

As Business IP Transit requires an optical fiber connection, the service can easily be combined with other transport services, such as Business Internet, Business VPN and Business Ethernet.

## Increased availability with redundancy

The availability of data and services is critical for the business of any company. UPC Business multi-platform and multi-access infrastructures provide you with a broad range of potential redundancy concepts, guaranteeing you maximum availability and thus optimally meeting individual needs.

Increased availability of the Business IP Transit services is based on two levels:

**Customer connection level:** on this level, availability is increased by two CPEs and two physically independent customer connections (with or without path redundancy) per location. Path-redundant customer connections are led to two UPC Business PoPs (multi-PoP access). Available access technology: optical fiber.

**Internet level:** multihoming allows for additional redundancy on the Internet level, which also picks up ISP faults.

Customer locations connected with redundancy have a service availability of 99.98% (Service Level "Platinum") or higher.



## Standard features

Multihoming	Optical fiber						
Bandwidth (Committed)	10, 20, 50, 100, 200, 300, 400, 500, 1,000 Mbit/s 1, 2, 4, 10 Gbit/s ( $\geq 2$ Gbit/s only for unmanaged services) Other bandwidths on request						
Bandwidth (Max Burst)	100, 200, 300, 400, 500, 1,000 Mbit/s 1, 2, 4, 10 Gbit/s ( $\geq 2$ Gbit/s only for unmanaged services) Burst must be higher than Committed						
Network connection device	Managed Service: Managed Router (CPE) Unmanaged Service: Fiber Termination Equipment (CPE)						
Network connection Optical Ethernet interfaces only with bandwidths above 100 Mbit/s	Ethernet 10/100 Mbit/s (RJ45) Ethernet 10/100/1,000 Mbit/s (RJ45) Ethernet 1,000 Mbit/s (850 nm MMF & 1,310 SMF) Ethernet 1,000 Mbit/s (1,470–1,610 nm SMF / CWDM) Ethernet 10 Gbit/s (1,310 SMF)						
Service and support	<table> <tr> <td><b>Fault line</b></td><td>7 × 24 : 365 days</td></tr> <tr> <td><b>Support time</b></td><td>5 × 11: Monday to Friday, from 7.00 am to 6.00 pm</td></tr> <tr> <td><b>Service level</b></td><td><b>Bronze: 99.80%</b> availability per year, max. <b>8 hrs</b> downtime during the support time</td></tr> </table>	<b>Fault line</b>	7 × 24 : 365 days	<b>Support time</b>	5 × 11: Monday to Friday, from 7.00 am to 6.00 pm	<b>Service level</b>	<b>Bronze: 99.80%</b> availability per year, max. <b>8 hrs</b> downtime during the support time
<b>Fault line</b>	7 × 24 : 365 days						
<b>Support time</b>	5 × 11: Monday to Friday, from 7.00 am to 6.00 pm						
<b>Service level</b>	<b>Bronze: 99.80%</b> availability per year, max. <b>8 hrs</b> downtime during the support time						

## Options

Multihoming	Managed (BGP routing operated by UPC Business) Unmanaged (BGP routing operated by the customer or another Internet service provider)
-------------	---

### For managed services

Service providers	Max. 3 (UPC Business AS6830 and 2 others)				
Routing	Full table Full table plus default route Default route only AS6830 + default route				
Protocols	IPv4 (managed multihoming) IPv4 + IPv6 (only unmanaged multihoming)				
Redundancy	Redundancy of transmission and connecting devices (optical fiber) Only with identical bandwidths				
Service and support	<table> <tr> <td><b>Extended support times</b></td><td>6 × 16: Monday to Saturday, from 6.00 am to 10.00 pm 7 × 24: 365 days</td></tr> <tr> <td><b>Extended service levels</b></td><td> <b>Silver: 99.90%</b> availability per year, max. <b>6 hrs</b> downtime  <b>Gold: 99.95%</b> availability per year, max. <b>2 hrs</b> downtime*  <b>Platinum: 99.98%</b> availability per year, max. <b>1 hr</b> downtime*  The downtimes cited above apply during support hours. </td></tr> </table>	<b>Extended support times</b>	6 × 16: Monday to Saturday, from 6.00 am to 10.00 pm 7 × 24: 365 days	<b>Extended service levels</b>	<b>Silver: 99.90%</b> availability per year, max. <b>6 hrs</b> downtime <b>Gold: 99.95%</b> availability per year, max. <b>2 hrs</b> downtime* <b>Platinum: 99.98%</b> availability per year, max. <b>1 hr</b> downtime* The downtimes cited above apply during support hours.
<b>Extended support times</b>	6 × 16: Monday to Saturday, from 6.00 am to 10.00 pm 7 × 24: 365 days				
<b>Extended service levels</b>	<b>Silver: 99.90%</b> availability per year, max. <b>6 hrs</b> downtime <b>Gold: 99.95%</b> availability per year, max. <b>2 hrs</b> downtime* <b>Platinum: 99.98%</b> availability per year, max. <b>1 hr</b> downtime* The downtimes cited above apply during support hours.				

\* Prerequisites: Service must be connected using path redundancy.

The details in this document do not constitute a binding offer. Subject to modification without notice.  
Date of publication: December 2018