IP network connections
IP MPLS network

The IP MPLS network at Zurich Airport provides a modern and reliable infrastructure for networking all systems that communicate using the IP protocol.
IP MPLS VPN

Virtually all modern systems nowadays communicate using the global Internet Protocol (IP) standard. In addition, every new PC is equipped with a LAN interface. MPLS VPN (Multiprotocol Label Switching) introduces a technology that enables multiple closed user groups to be provided on the same network.

Reliability

Network reliability is optimised in a number of different ways:

- Redundant (duplicated) provision of all backbone connections
- Permanent monitoring of all connections between network nodes
- Permanent monitoring of the condition of all active components in the network
- Immediate intervention of support staff when monitored elements fail

The entire network is designed for reliable operation and maximum availability.

High performance

The use of gigabit fibre-optic broadband throughout delivers a virtually unbeatable transport service for all data systems connected to the network. The 100 Mbit/s terminal connections are therefore part of a network that supports data transfer without any loss speed caused by system performance bottlenecks.

Security

The MPLS VPN technology provides each customer with their own private network. This is essential if the network will be used to transfer sensitive data. For security reasons, only one terminal per connection is permitted (port security).

Airport-wide availability

Wherever customers wish to connect one of their systems to the network at Zurich Airport, they can be sure that an IP MPLS network connection is available. Over 94% of the commercially used space at Zurich Airport is equipped with MPLS.

Cost transparency

IP MPLS network connections are billed per terminal. There is no minimum number of connections or minimum contract duration (more than one month). The distance between the individual network connections has no bearing on the costs. Naturally, there are no additional charges for support and maintenance, nor are there any charges based on the volume of data transmitted. These costs are included in the flat rate for each IP MPLS connection.

Optional extras

As well as the advanced network connections themselves, we offer a range of highly attractive supplementary services:

- Internet access via a firewall
- Remote access VPN
- LAN to LAN VPN
- Data retrieval from Zurich Airport’s systems
- Efficient direct connections to the site feeds of the Wide Area Network (WAN), operators SITA, Sunrise, Cablecom, Colt, MCI Worldcom and Swisscom

Many services for accessing data on Zurich Airport’s systems are only available via direct connections to the IP MPLS network.