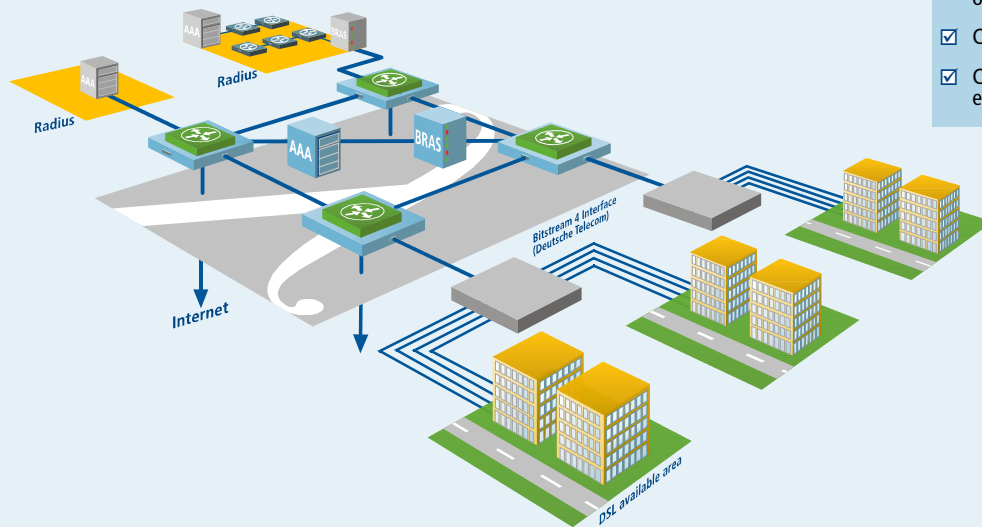


λ-Net-DSL-Gate



Key Benefits

- DSL feed independent of provider
- Customised solutions
- Cost savings due to efficient transport of data

DSL Feed

Do you need a customised solution to connect your DSL customers to your network infrastructure or to the Internet? With λ-Net-DSL-Gate, we are offering service providers and corporate customers the possibility to feed their end user DSL connections to a number of European providers by means of our high availability MPLS-based IP network.

Flexible product design

λ-Net-DSL-Gate allows you to provide your services to DSL end users. Covering Voice over IP (VoIP), groupware solutions, firewall services and also customised billing options for your target groups – λ-Net-DSL-Gate provides you with a transparent L2TP connection (Layer 2 Tunnel Protocol) to your end users. This LambdaNet feed service is not transparent to the end user.

Perfect protection of data

With λ-Net-DSL-Gate you have a private network right through to the transfer points of the relevant provider (bit-stream access). This means that the connection to the end user is protected against unauthorised access or attacks. End user authentication is realised by means of our high availability radius server platform, or alternatively via your existing radius server. If you decide to use our radius server, you will be provided a web-based interface for administration of your end user data.

Concentration of feed traffic

λ-Net-DSL-Gate concentrates the traffic of several DSL providers to your infrastructure. As the interfaces will be configured according to your total

network capacity, you are able to design your network exactly according to the required capacity – without being restricted to the number and the capacity of the DSL provider's interconnect points. Access bandwidth can be individually selected from 2 Mbps to 1,000 Mbps.

Turn-key project management / customised solutions

No matter whether you prefer your own contract with a DSL provider or a complete feed via λ-Net-DSL-Gate – LambdaNet takes care of the complete project management and delivers turn-key communication solutions, allowing you to focus on your core business.

Flexible billing options

Based on our usage-based billing options we can make sure you will only pay for the capacity you have really used. You can select whether you prefer our volume-based billing models or the billing models of the relevant DSL provider. You will be provided with the necessary traffic and billing data on a daily basis.

High-performance MPLS network

λ-Net-DSL-Gate is based on LambdaNet's high-performance IP/MPLS network. MPLS (Multiprotocol Label Switching) is a proven technology particularly suited to build highly secure, closed networks. MPLS uses a label-based transport mechanism which allocates so-called labels to data packets before transmission. This procedure guarantees the high service quality and the safety required for IP networks. MPLS has a superior performance as routing decisions can simply be taken using the labels, without having to browse large routing tables.

λ-Net-DSL-Gate Overview

Basic services

- ➔ Feed of DSL end users of several DSL providers via the LambdaNet IP/MPLS network

- ➔ Fully meshed network topology

Bandwidths

- ➔ E1, E3, T3

- ➔ STM-1, STM-4

- ➔ Ethernet, Fast Ethernet

- ➔ Gigabit Ethernet

Billing options

- ➔ Usage-based billing options (Volume, Burstable, Average)

- ➔ Billing based on the billing model of the relevant DSL provider

Service level

- ➔ Service availability up to 99.95 %

- ➔ Service restoration times starting from 4 hours

- ➔ Credits in case contracted service levels have not been met

Customer service

- ➔ Our 24 x 7 Network Management Centre (NMC) in Hanover, Germany, provides pro-active monitoring and management

- ➔ Electronic interface for end user account management

- ➔ Online access to current billing information

Optional value-added services

- ➔ End user connection to the Internet

- ➔ Termination of L2TP tunnel at the end user BRAS (L2TP Switch)