Specifications

BUSINESS LAMBDA Basic

Valid from 13.10.2026

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Reference to gender-neutral formulations: In order to improve legibility, this contractual document intentionally refrains from adopting any gender-specific differentiations. All references to individuals apply similarly to all genders (male, female and non-binary).
We would like to emphasize that equality and inclusion are important issues for us. The style employed in this document is solely aimed at linguistic simplification and does not imply any judgement or exclusion.

1. Basic information

Wien Energie GmbH (hereinafter Wien Energie) offers the product BUSINESS LAMBDA on the basis of its fibre optic network. In the case of BUSINESS LAMBDA, Wien Energie agrees on one or several transfer wavelengths related to a fibre optic connection. The customer-specific transfer wavelength LAMBDA (λ) represents a passive optical channel with a high transfer rate based on Wien Energie's fibre optic network.

A special multiplexing (MUX) procedure makes it possible for up to six wavelengths, and therefore six customer services, to be transferred simultaneously via a single fibre optic connection while remaining independent of each other. At the remote end, the individual transfer wavelengths are again separated from each other by means of a special demultiplexing (DEMUX) procedure.

All of the details provided in this document refer to implementation relying exclusively on Wien Energie network infrastructure. These specifications (*Leistungsbeschreibung* or *LB*) apply exclusively to contracts concluded with business customers as defined by Article 1 of the Austrian Consumer Protection Act (*KSchG*).

2. Specifications

BUSINESS LAMBDA Basic connects two customer sites. A precondition for this is network components with appropriate optical transfer equipment at each customer site. The customer is required to ensure that the transfer signal is available on the agreed wavelength. On this basis, BUSINESS LAMBDA Basic provides the customer with a maximum transfer rate of up to 10 Gbit/s. Higher bandwidths are possible on request and subject to special fibre optic cabling at customer sites. The bidirectional connection of two sites is implemented by means of a pair of fibre optic cables. BUSINESS LAMBDA Basic does not rely on any active equipment provided by Wien Energie related to the entire connection. The customer alone is responsible for providing suitable equipment for its own use.

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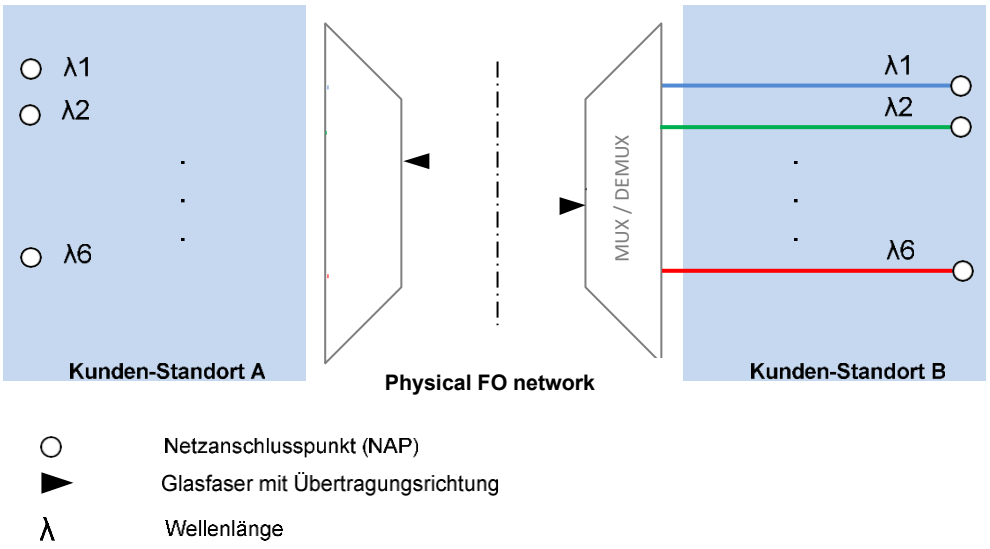


Figure 1: BUSINESS LAMBDA Basic

3. Preconditions

3.1. Physical availability

BUSINESS LAMBDA is available for sites at which Wien Energie can technically and commercially provide the necessary fibre optic infrastructure.

3.2. Construction-based preconditions

The installation site for the equipment provided to the customer by Wien Energie must be clean, dry, secure and adequately ventilated. The customer is required to ensure appropriate premises and conditions for the operation of BUSINESS LAMBDA. In particular, the customer is required to ensure at its own expense that the following conditions exist:

BUSINESS LAMBDA Basic:

- Required space: generally 1 rack unit (RU) in a 19” server rack
- Relative humidity: 5% to 95% (non-condensing)

3.3. Applicable legal provisions

Details of these provisions are set out in the general terms and conditions of Wien Energie GmbH relating to B2B telecommunication products in their most recent versions (**AGB BUSINESS**, downloadable (in German) at https://www.wienenergie.at/agb/).

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4. Access

Access to the Wien Energie equipment / network access point (NAP) at the customer site is defined in the general terms and conditions (AGB BUSINESS).

5. Network access point (NAP)

All network equipment upstream of the network access point (NAP) or service transfer point (STP) falls within the scope of responsibility of Wien Energie. Any components and connections (e.g. in-house cabling) provided by the customer are excluded from the above.

The possible implementation options are as follows:

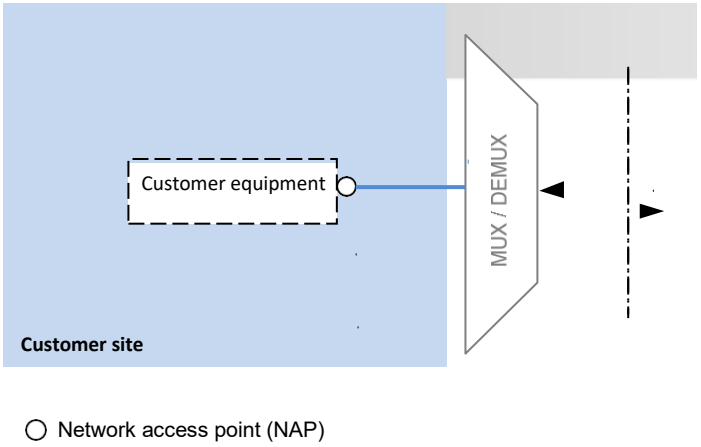


Figure 3: Overview of the possible network access point for BUSINESS LAMBDA Basic

The network access point is the connection socket (jack) at the customer site. In consultation with the customer, this is implemented based on a E2000/APC socket.

6. Implementation deadlines

The implementation times are dependent on the requested site and will therefore be defined in the relevant offer. Refer to AGB BUSINESS for details.

7. Service transfer

Once implemented, the customer will be provided a service transfer notification (*Serviceübergabemeldung*) by Wien Energie. This document includes at least the following

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parameters:

- Confirmation of the parameters defined being met
- Implementation date
- Start date of billing
- Connection and service number(s)

8. Monitoring

The network operation center (NOP) is available 24/7, 365 days a year.

9. Service management & SLA

Information about service interruptions, maintenance work, guaranteed service levels, contact persons and escalation levels can be found in the B2B service level agreement (SLA BUSINESS) for telecommunication products.
It should be noted that Wien Energie is only indirectly able to identify disruptions relating to a BUSINESS LAMBDA connection (e.g. due to the failure of other active connections on the same fibre optic line).
Unless otherwise explicitly offered, the SLA class STANDARD is considered to have been agreed.

10. Technical service data

The technical specifications of BUSINESS LAMBDA comply with the specification for dark fibre optic lines, with the following exceptions:

- Data are transferred via a dedicated wavelength.
- The passive fibre optic filters used increase the total link loss by 3 dB (2 × 1.5 dB).

Wavelengths

The wavelengths used are within the standardised CWDM wavelength range defined by ITU-T G.694.2.

Subject to availability, customers can use the wavelengths set out in Table 1. Subject to availability on the relevant channel, Wien Energie will comply with customer requests with regard to the specific wavelengths set out below.

Further wavelengths within the CWDM wavelength range can be offered by Wien Energie if requested by the customer.

Nominal wavelengths (λ)	**Drift**

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1610 nm	+7.5 nm / -5.5 nm
1590 nm	+7.5 nm / -5.5 nm
1570 nm	+7.5 nm / -5.5 nm
1510 nm	+7.5 nm / -5.5 nm
1490 nm	+7.5 nm / -5.5 nm
1470 nm	+7.5 nm / -5.5 nm

Table 1: Dedicated wavelengths

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