

BEC 8600 VDSL2 Modem

Single Ethernet Port VDSL2 Modem Very High Speed Data Transmission



KEY FEATURES

- Very high speed VDSL2 transmission
- Supports 3/4/5 bands
- Easy Installation
- Asymmetric mode for up to 100/45Mbps
- Suitable for MTU/MDU environments



Very High Speed Data Transmission

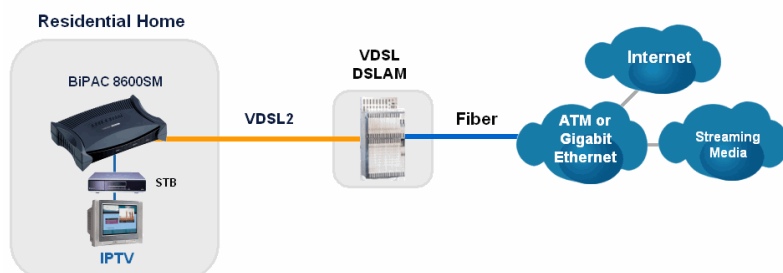
The BEC 8600 complies with VDSL2 standard. It offers greater bandwidth and a higher downstream rate, up to 100Mbps, for gradually increasing bandwidth consuming applications.

Easy Installation

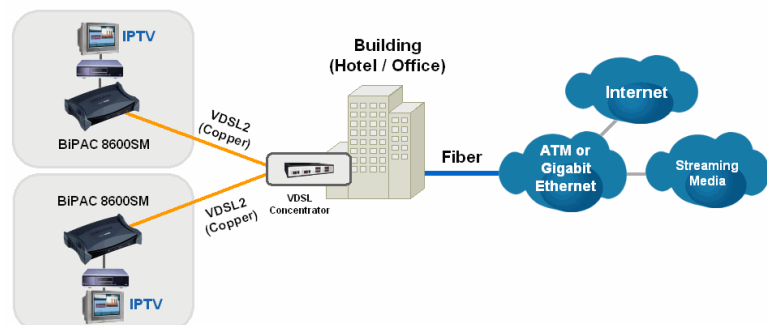
The BEC 8600 is easy to install and reduces installation effort and expenses. It allows for connection of the hardware interface without the need of any software configuration. It is fully compliant with all kinds of network protocols.

Bundle Over Existing Copper Wires

VDSL operates over copper wires so that service providers can offer bundled service to end-users similar to what cable operators offer. With outstanding throughput, the BEC 8600 can compliment a fiber network to offer the best solution for delivering IPTV or home entertainment services.



■ Deployment scenario for VDSL using FTTH



■ Deployment scenario for VDSL using FTTB

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Technical Specifications

VDSL Compliance

- Compliant with VDSL Standard -ITU-G.993.1
- Compliant with VDSL2 Standard -ITU-T G.993.2
- ANSI T1.424
- ETSI TS 101 270
- Modulation Method: DMT
- Ethernet over VDSL
- G.993.2 VDSL2 (Profile 8a, 8b, 8c, 8d, 12a, 12b, 17a support)
- Band Plan 997 and 998 support
- Supports 3/4/5 bands
- Supports up to 100Mbps downstream and 45Mbps upstream

Network Protocols and Features

- Transparent bridging
- Ethernet over VDSL (EoVDSL) Bridging
- IEEE 802.3/3u/3x
- Flow control in full duplex mode
- Back pressure in half duplex mode

Management

- Firmware upgrade through utility

Hardware Specification

Physical Interface

- DSL: one RJ-11 VDSL port
- Ethernet: one RJ-45 10/100 Ethernet port
- Reset button
- Power jack
- Power switch

Physical Specifications

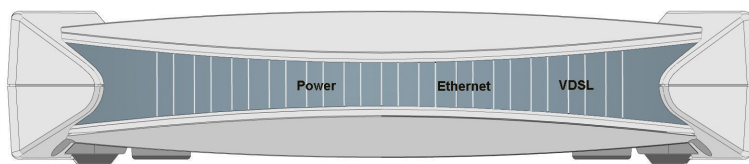
- Dimensions: 7.09" x 4.72" x 1.57"
(180mm x 120mm x 40mm)

Power Requirements

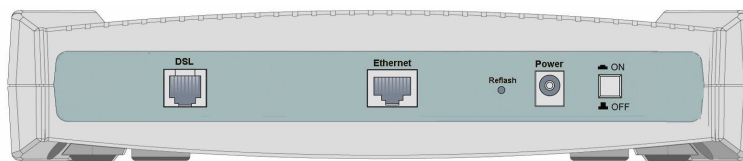
- Input: 12V AC, 1A

Operating Environment

- Operating temperature: 0 to 40 deg C
- Storage temperature: -20 to 70 deg C
- Humidity: 20-95% non-condensing



■ FRONT LED DIAGRAM



■ REAR PORT DIAGRAM

Note: Specifications in this datasheet are subject to changes without notice.