



BKtel

XON600

Product Information

*The Easy Way
to Triple Play*



Designed for the Home

Fiber-Connectivity in-the-home! Using the new XON600.SVC customer premises equipment (CPE) this becomes now reality without looking for a hiding place. Latest technology combined with a modern design has created a high-end technical product that fits in next to modern video game consoles and HD flat screen TV sets. A high quality plastic housing conceals state-of-the-art FTTH technology from BKtel including a 100 Mbit/s switch for data traffic, VoIP support for telephony and an optical receiver module for TV services.

TV as Easy as Usual

Watching TV remains as easy as usual. Equal to all fiber network termination units from BKtel, the XON600.SVC is equipped with an optical CATV receiver which can additionally be enhanced even to receive SAT-IF signals. The subscriber is not restricted to analogue PAL signals- by simply using common Set Top Boxes like terrestrial DVB-T, cable or satellite receivers - also digital TV is available. The advantages to the network operator are evident since now he can choose out of a wide variety of different business models, from traditional cable TV to simple community antenna sharing. Needless to say that there is no change for the end users concerning TV reception; it remains as simple as always.

Easy Installation and Maintenance

The complete BKtel XON series provides a sophisticated wall-mounting concept. At the position of the fiber optic access point a housing is installed that is designed to contain excess fiber and splices realizing a perfect passive optical network termination. This allows an easy pre-installation, even before the customer decides on the desired services. For commissioning, the CPE just has to be added. This facilitates also easy replacement of the equipment in case of repair or maintenance. But also a usage as a tabletop device is anticipated. Therefore the XON600.SVC is prepared with appropriate fiber cable guides.

Thanks to the broad range of potential services as well as the flexibility in the field, the latest member of the XON family becomes a reliable component in the design of a modern FTTH network.

Technical Data

General

Leading Edge Technology

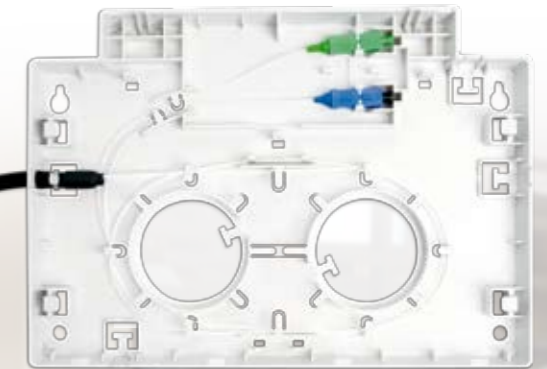
100 Mbps layer 2 switching, VLAN capability, Voice over IP telephony, Broadband CATV and optional SAT-IF reception with high output level (capable to supply multiple TV sets) in one unit.

Modern Exterior

Attractive design in high-quality, durable housing, ideal for office and apartment installation.

Easy Handling

Plug-and play installation, wall mountable and table-top usage, automatic provisioning, remote management, status-LEDs, diagnostic functionality.



Fiber Management:
Wall-mounting unit with fiber access for an easy installation.

Key Features

Layer 2 Ethernet Switch

- ◆ 100Base-BX WAN interface (IEEE803.ah compliant)
- ◆ Four Ethernet ports with full duplex 10/100Base-TX support
- ◆ Integrated 10/100Mbps Ethernet switch
- ◆ Auto-negotiation ability to select half/full-duplex and 10Base-T/100Base-TX mode
- ◆ Virtual LAN-Support (Port-Based and 802.1q)
- ◆ Quality of Service / Class of Service
- ◆ IGMP snooping v1/v2
- ◆ Rate Limiting Capability

Telephony with VoIP

- ◆ Two simultaneous voice over IP (VoIP) calls
- ◆ SIP 2.0 VoIP protocol

Optical CATV Receiver

- ◆ Optical home receiver for multi-channel television and radio signals like AM-VSB, FM and QAM providing a bandwidth of 1 GHz, optional SAT-IF reception up to 2.4 GHz
- ◆ Ultra low noise push-pull technology
- ◆ Very low distortion
- ◆ Wide range of optical input power
- ◆ Single-mode fiber, high return loss optical interface

Management

- ◆ Auto- Provisioning
- ◆ Secure firmware update (dual image)
- ◆ Customer selectable device startup configuration

BKtel communications GmbH

Benzstrasse 4
41836 Hückelhoven-Baal
Germany
Phone: +49 (0) 24 33 / 91 22-0
Fax: +49 (0) 24 33 / 91 22-99

Office Kornwestheim:

Stammheimer Straße 10
70806 Kornwestheim
Germany
Phone: +49 (0) 71 54 / 82 70-11
Fax: +49 (0) 71 54 / 82 70-79

**BKtel communications Beijing Ltd. and
BKtel communications GmbH Beijing Representation Office**

Rm. 0711, Sinolife Tower
56 Xizhimen North Avenue
Haidian District, Beijing, 100082 China
Phone: +86 10 8229 3065
Fax: +86 10 8229 3224

BKtel Pacific Rim (Japan) Inc.

Katsukou Building 5F
1-2-8, Hourai-cho, Naka-ku,
Yokohama, Kanagawa 231-0048, Japan
Phone: +81 45 350 5447
Fax: +81 45 350 5460

BKtel's Representative Office for South-East Asia

German Centre Indonesia
Jl. Kapt. Subijanto Dj.
Bumi Serpong Damai
Tangerang 15321, Indonesia
Phone / Fax: +62 21 537 6179

Internet: <http://www.bktel.com>

E-mail: info@bktel.com