

# Salt.

Internet.TV. Mobile.

## Salt Fiber Box X6 Black

10 Gbit/s symmetric fiber gateway with Wi-Fi 6



**The Fiber X6 Box is a compact and powerful Wi-Fi 6 10G PON home gateway, dedicated to 3-play services in XGS-PON networks. It is based on the latest XGS-PON technologies, thus allowing up to 10 Gbit/s download & 10 Gbit/s upload without compromising performances for 3D & 4K video streaming, online gaming and multimedia applications like cloud services**

### **SPEED OF LIGHT CONNECTIVITY**

The Fiber X6 Box integrates the most powerful and up-to-date quad-core ARMv8-based CPU of the 10G XGS PON market, providing the state of the art for a multi-connection product, e.g. symmetric 10G PON. This will provide the best user experience for internet browsing, Voice over IP, online gaming, cloud services, NAS hosting, P2P nodes or Data Mining as well as 3D and 4K IPTV (including multi-STB offer).

### **TOP CLASS WIRELESS INTERFACE**

The Fiber X6 Box offers a powerful and reliable Wi-Fi 6 Wireless LAN connection. It integrates the most advanced full speed 802.11ax 4x4 interface at 2,4 GHz with concurrent users support (MU-MIMO).

The box also natively integrates a high-speed Wi-Fi 802.11ax 4x4 interface in the 5 GHz band range, supporting 160 MHz bandwidth and MU-MIMO. It features a high level of security up to WPA3, and also supports WMM QoS.

### **RICH VOICE CONTENT**

The Fiber X6 Box offers state-of-the-art voice services through two FXS ports. It as well support DECT devices through an integrated DECT CAT-iq 2.0 module.

### **SHARED MEDIA CONTENT**

In order to access your multimedia files anywhere, anytime, and on any device, the Fiber X6 Box integrates a DLNA server and supports Samba and UPnP.

Users can thus share content (photos, video, music) across their digital network.

### **SMART IPTV**

The Fiber X6 Box supports an unlimited number of set-top boxes thanks to its Gbit/s-capable core and its video-grade access point. The home gateway ensures glitch-free TV transmissions using a full set of features addressing specific IPTV challenges: e.g. robust optical transceiver and multi-layer QoS.

### **NAT / FIREWALL**

The secure firewall (IPv4/IPv6) allows Stateful Packet Inspection and complete address / port / protocol filtering.

The Fiber X6 Box enables different traffic-shaping scenarios, per service and per device in order to offer the best user experience for all kinds of streams.

### **PARENTAL CONTROL**

The Fiber X6 Box allows you to set schedules to pause the internet for connected devices according to the needs of the parents.

It also allows to block access to URLs that parents deem inappropriate for their children.

### **POWER SAVING**

Energy-Efficient Ethernet is enabled for all Ethernet ports reducing power consumption during periods of low data activity.

The Box also allows the user to program time slots in which Wi-Fi radio will be turned off.

## **Technical features**

### **PLATFORM**

#### **WAN:**

- SFP+ slot for all transceiver technologies : GPON ,XGS PON, 10Gbit/s FTTH
- USB 3.0 for LTE / 4G backup

#### **LAN:**

- 1 x RJ45 port 100/1000/10000 Mbit/s
- 4 x RJ 45 ports 10/100/1000 Mbit/s
- 2 x USB3.0 ports for HDD & printer support

- 2 x FXS ports

#### **OPERATING RANGE:**

- 0°C to 45°C
- 10% to 90% humidity

#### **POWER:**

- 100 VAC to 240 VAC
- Full EU CoC v7 compliance

### **WIRELESS**

Wi-Fi 6 certified access point @2,4GHz

- UL / DL OFDMA
- Radio 4Rx / 4Tx
- Supports wide channels 40MHz and MU-MIMO

Wi-Fi 6 certified access point @5GHz

- UL / DL OFDMA
- Radio 4Rx / 4Tx
- Supports wide channels
- Band steering 2.4 GHz / 5 GHz 160MHz and MU-MIMO

Automatic & Dynamic Channel Selection

Primary and Guest Wi-Fi support

4 x SSID supported with specific

QoS profiles

802.11k/v support

Scan Neighboring Access Points

### **VOICE**

SIP Signaling

G.711 / G.729 wideband codecs for DECT

Faxing via G.711 transparent

and T.38SIP Proxy

CLIP / CLIR

Call Waiting

Call Hold

Call Transfer

3-Way Call

Call Forwarding (unconditional, busy, no answer)

MWI / VMWI

DECT CAT-iq 2.0

Customized voice messages on busy / unavailable line

### **ROUTING / QoS**

VLAN QoS 802.1p

IP Diffserv

IGMPv3 snooping

IGMPv3 proxy

WAN Dual Stack (IPv4/IPv6)

supporting IPoEv6/PPPoEv6

DHCPv6 IA-PD

SLAAC

DNS v4/v6 server & relay

Firewall v6 ready

### **MEDIA**

Samba

Device Discovery

UPnP IGD

UPnP AV

### **FIREWALL**

Stateful Packet Inspection IPv4 & v6

Intrusion detection

Intuitive address and port

forwarding/ triggering DMZ

### **FOOTPRINT PROGRESS CERTIFIED BY VERITAS**

This product has been designed in an eco-friendly way by reducing its environmental impact.

This is achieved, among other actions, through the use of recycled plastic with an outstanding power efficiency.

This reduction has been measured independently by Bureau Veritas through the footprint progress certification programme, by assessing the complete product life cycle compared to the previous generation.

For more information on the footprint progress:

<https://www.lcie.fr/en/1040/footprint-progress-environmental-certification/>

**Salt Mobile SA**

Rue du Caudray 4 CH-1020 Renens 1

Tel. 0800 780 800

fiber.salt.ch

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