

# Salt.

Internet. TV. Mobile.

## Salt Fiber Box X6

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



**The Salt Fiber Box X6 is a compact and powerful 10G PON Wi-Fi 6 home gateway, dedicated to 3-play services in XGS-PON networks. It is based on the latest XGS-PON technologies, providing up to 8 Gbit/s symmetrical download & upload (+2 Gbit/s for error correction) and very low latency delivering high performance in services such as XR, 4K video streaming, online gaming and cloud services.**

#### **SPEED OF LIGHT CONNECTIVITY**

The Salt Fiber Box X6 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 XR and 4K IPTV (including multi-STB offer).

#### **TOP NOTCH Wi-Fi**

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

#### **SHARED MEDIA CONTENT**

To access your multimedia files anywhere, anytime, and on any device, the Salt Fiber Box X6 integrates a DLNA server and supports Samba and UPnP. Users can thus share content (photos, video, music) across their digital network.

#### **SMART IPTV**

The Salt Fiber Box X6 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.

#### **PARENTAL CONTROL**

The Salt Fiber Box X6 allows parents to set schedules to pause the internet for connected devices according to their needs. It also allows them to block access to URLs that they 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 programme time slots in which Wi-Fi radio will be turned off.

#### **VPN SERVER**

The Salt Fiber Box X6 provides a VPN server to access remotely your home network from any Android/iOS/Windows or MacOS device. The connection is a point-to-point encrypted IKEv2 IPsec tunnel.

### **TECHNICAL FEATURES**

#### **PLATFORM**

WAN :  
- SFP+ slot with transceiver XGSPON  
- USB 3.0 for LTE/4G-backup  
LAN :  
- 1 x RJ45 port 100/1,000/10,000 Mbit/s  
- 4 x RJ 45 ports 10/100/1,000 Mbit/s  
- 2 x USB 3.0 ports for HDD & printer  
- 2 x FXS ports for phone  
OPERATING RANGE:  
- 0 °C to 45 °C  
- 10% to 90% humidity  
POWER:  
- 42W PSU (in 200-240 V 50/60 Hz, out DECT CAT-iq 12 V 3.5 A)  
- Full EU CoC v7 compliance

#### **WIRELESS**

Wi-Fi 6 certified access point @2,4 GHz  
- UL/DL OFDMA  
- Radio 4Rx/4Tx  
- Supports 40 MHz channels and MU-MIMO  
Wi-Fi 6 certified access point @5 GHz  
- UL/DL OFDMA  
- Radio 4Rx/4Tx  
- Supports 160 MHz channels and MU-MIMO  
Band steering 2,4 GHz/5 GHz  
Automatic & dynamic channel selection  
Primary and guest Wi-Fi support  
802.11k/v support  
Scan neighbouring access points  
MAC filter support

#### **VOICE**

SIP signalling  
G.711/G.729 wideband codecs for DECT  
Faxing via G.711 transparent  
CLIP / CLIR  
Call waiting  
Call hold  
Call transfer  
3-way call  
Call forwarding (unconditional, busy, no answer)  
MWI / VMWI  
SIP ALG  
DECT CAT-iq 2.0

#### **ROUTING/QoS**

VLAN QoS 802.1p  
IP Diffserv  
WAN Dual Stack (IPv4/IPv6)  
DHCPv6 IA-PD  
SLAAC  
DNS v4/v6 proxy  
v6-ready firewall  
Dynamic DNS client  
VPN server IKEv2 IPsec

#### **MEDIA**

NAS/Samba/DLNA  
Device discovery  
UPnP IGD  
UPnP AV

#### **FIREWALL**

Stateful packet inspection IPv4 & IPv6  
Filtering of services/port/addresses in IPv4/IPv6  
Port forwarding/triggering DMZ

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

This product has been designed in an eco-friendly way to reduce its environmental impact. This is achieved, among other actions, through the use of recycled plastic and an outstanding power efficiency. This reduction has been measured independently by Bureau Veritas through the Footprint Progress certification programme, assessing the complete product lifecycle compared to the previous generation.

For more information on the footprint progress:  
<https://www.lcie.fr/en/1040/footprint-progress-environmental-certification/>

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