Salt.

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 scertified 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.