INTERFACES

- Network:
  - DOCSIS 3.0
  - Channel bonding up to 24x8
  - Backward compatible with DOCSIS 1.0/2.0 and 2.0b
  - Compatible with EuroDOCSIS and US DOCSIS frequencies
  - 1 Giga-Ethernet port for WAN (option)

- User:
  - 4 Eth 10/100/1000 Base-T
  - 2 USB host 2.0 for accessories (option)
  - 802.11b/g/n, Wi-Fi access point in 2.4 GHz 3x3
  - 802.11a/n/ac, Wi-Fi access point in 5 GHz 3x3
  - 2 FXS (option)

WIRELESS SECURITY

- WPA/WPA2/WEP with 64 or 128 bits key
- MAC Address Access List
- WPS
- Wi-Fi Alliance certified

PPP FUNCTIONS

- PPPoE client termination
- PPPoE session pass-through

IP FONCTIONS

- General:
  - NAT/PAT
  - DHCP client and server
  - DNS relay
- IPv6:
  - Dual stack
  - DSLite
- Routing:
  - Static/dynamic routing
- IGMP Proxy/snooping
- Firewall:
  - Address, port and protocol filtering
  - State full Packets Inspection

- Quality of service: DiffServ
- L2TP

VOICE OVER IP (VoIP)

- Protocol NCS, MGCP or SIP (PacketCable 1.5 and PacketCable 2.0 supported)
- Voice coding:
  - G711 (64 kbps)
  - G729 (8 kbps)

REMOTE MANAGEMENT

- Firmware upgrade by TFTP
- Auto provisioning and remote configuration
- SNMP
- TR-069

ELECTRICITY SAFETY

- Compliant with EN 60 950, EN 41003

ENVIRONMENT

- Operating temperature: 5°C to 45 °C
- EMC: 89/336EEC, EN 55022 Class B, EN 55024
- IEEE Wi-Fi b/g/n/11ac compliant
- CE

PHYSICAL FEATURES

- External Power supply
- Size (L x D x H in mm): 185 x 227 x 71 (including the feet)
- Weight (g): 724

Sagemcom

Sagemcom F@st 3686 V2

HIGH PERFORMANCE TRIPLE PLAY HOME GATEWAY

- Cable DOCSIS 3.0 – 24x8
- Giga-Ethernet WAN (option)
- High-end Wi-Fi connectivity - 802.11ac
- High performance home networking

"available in white casing"

Sagemcom F@st 3686 V2 is a residential gateway providing gigabit broadband Internet access through a DOCSIS 3.0 cable network. With Sagemcom F@st 3686 V2 and the associated set-top-boxes, the user gets access to 3-play services with a high level of quality:

- Up to 1200 Mbps Downlink and 216 Mbps Uplink throughput over DOCSIS
- 5th Giga-Ethernet port for WAN access to another type of network (option)
- Dual band dual concurrent Wi-Fi Access Point in 2.4 and 5 GHz bands
- High quality Voice over IP communication based on the MGCP protocol as well as on SiP (option)
- Content sharing with embedded DLNA Server and USB host 2.0 ports (options)

SEAMLESS MULTI DEVICE CONNECTION

With Sagemcom F@st 3686 V2, end user can connect all its IT network devices (computers, printers, gaming devices, fixed or DECT phones...) easily and simultaneously over all the available interfaces: multi Giga-Ethernet, Wi-Fi, USB host, FXS as well as USB DECT base station.

HIGH VoIP PERFORMANCE

Sagemcom F@st 3686 V2 achieves multi-FXS management. It can manage up to 2 VoIP lines. Advanced voice supplementary services offered by Sagemcom F@st 3686 V2 are VMWI, call waiting, call transfer... (options)

ACCESS CONTENTS ANYWHERE ANYTIME

In order to access to their contents anywhere, anytime, on any device, the Sagemcom F@st 3686 V2 integrates an embedded DLNA media server using Samba and UPnP protocols, thus allowing the end user to share contents (photos, video, music) across his digital network. Using USB host connection, the user can access to new services like content sharing by connecting a HDD or a memory stick. Moreover the Sagemcom F@st 3686 V2 provides secured remote access to shared contents remotely.

TOP CLASS WIRELESS INTERFACE

Sagemcom F@st 3686 V2 integrates a 11b/g/n interface in the 2,4 Ghz and a 802.11 ac interface in the 5 GHz band. It offers a fast and reliable wireless LAN connection. Thanks to its easy install program, a home network without in house cabling can be easily built. Sagemcom F@st 3686 V2 also features a high level security mechanism: WPA, WPA2, WEP with 64 or 128 bits key encryption and a filtering based on the Ethernet MAC address list. In addition, in order to facilitate the configuration it offers the automatic radio channel selection and WPS for security key exchange.

RELIABLE Wi-Fi COMMUNITY

Sagemcom F@st 3686 V2 integrates a scalable, field proven solution of Wi-Fi community, with options at several levels:
- Traffic isolation: L2TP and GRE tunnels
- QoS: Minimum guaranteed bandwidth for Home user

- Priority on traffic (Home user: higher priority)
- Wi-Fi: Maximum number of connected Hotspot Users

FULLY FEATURED IP ROUTER

Sagemcom F@st 3686 V2 supports the most up-to-date IP services applicable to residential gateway. It enables IPV6 network either in Dual Stack mode or in DS Lite mode.

EFFICIENT FIREWALL

Sagemcom F@st 3686 V2 integrates the most up-to-date firewall tools:
- Stateful Packet Inspection
- Complete address/port/protocol filtering
- VPN pass through: PPTP or IPsec

REMOTE MANAGEMENT: TR-069 AND SNMP AGENTS

Sagemcom F@st 3686 V2 offers a robust SNMP Agent ensuring full remote service provisioning and resilient upgrade. The home gateway also offers a field proven TR-069 agent.
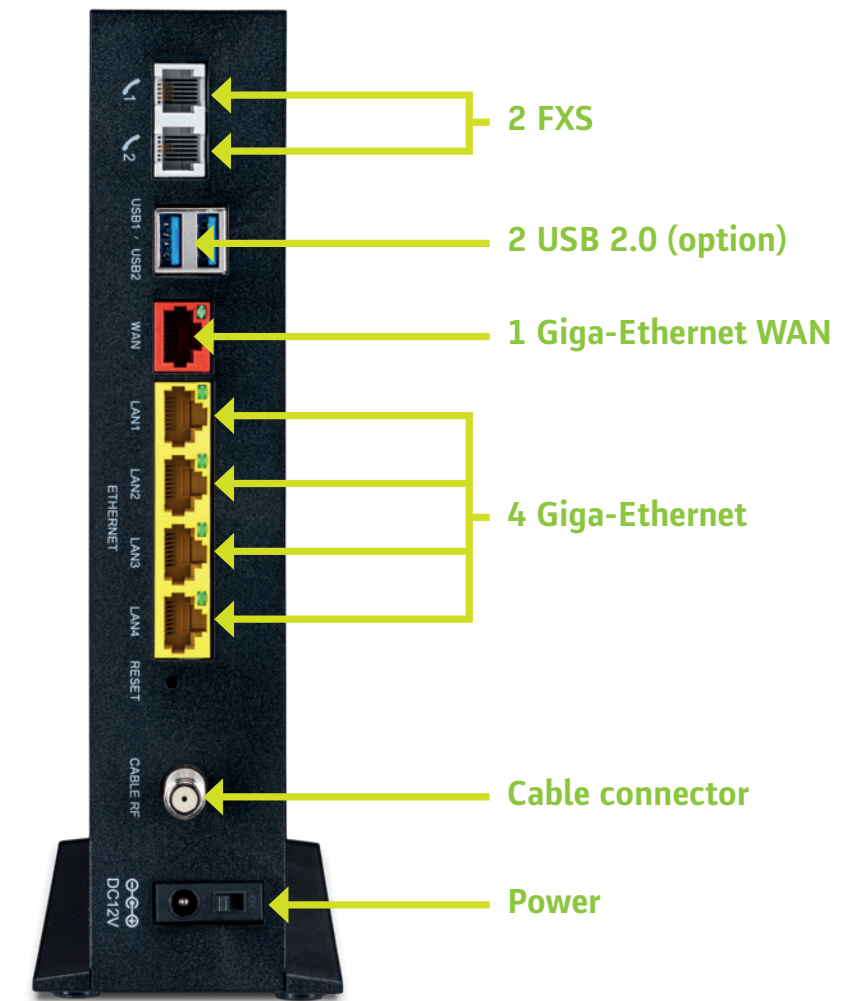
MULTI-PLAY QUALITY OF SERVICE

Sagemcom F@st 3686 V2 associates comprehensive QoS techniques for double and triple architectures achieving a complete management of the QoS with the guaranty to use simultaneous services with a good level of performance. Dedicated CPU cores for Networking & Voice and for Multimedia Applications enable to guarantee high performance.

CUSTOMIZABLE USER INTERFACE

On top of Sagemcom its user-friendly interface, Sagemcom F@st 3686 V2 offers a high level of customization of the GUI with limited efforts. The GUI may as well be modified from a remote management server without any software upgrade.

BACK

- 2 FXS
- 2 USB 2.0 (option)
- 1 Giga-Ethernet WAN
- 4 Giga-Ethernet
- Cable connector
- Power

TOP

WPS button

Wi-Fi On/Off button