

SAGEMCOM

Sagemcom F@st 3286 HIGH PERFORMANCE MULTIMEDIA HOME GATEWAY

- Cable DOCSIS 3.0
- Enhanced Wi-Fi: 802.11.n dual band 2.4GHz and 5GHz dual concurrent Access Point
- High performance home networking: DLNA, GigaEth LAN, USB Host



Sagemcom F@st 3286 is a residential gateway targeted to provide broadband Internet access through a DOCSIS 3.0 cable network. With the Sagemcom F@st 3286 and the associated set-top-boxes, the user gets access to 3-play services with a high level of quality:

- **Up to 400 Mbps Downlink and 140 Mbps Uplink throughput**
- **High quality Voice over IP communication based on the MGCP protocol but also on SIP**
- **Dual band 2.4GHz and 5GHz dual concurrent Wi-Fi Access Point**
- **Content sharing with embedded DLNA Server (option) and USB 2.0 host port**

MULTI DEVICE CONNECTION

With the Sagemcom F@st 3286, end user can connect all their IT network devices (computers, printings, gaming devices, fixed or DECT phones, ...) easily and simultaneously over all the available interfaces: multi Giga-Ethernet, Wi-Fi, USB host, FXS and the USB DECT base station.

HIGH VoIP PERFORMANCE

Sagemcom F@st 3286 achieves multi-FXS management. It can manage up to 3 VoIP lines. Advanced voice supplementary services offered by Sagemcom F@st 3286 are VMWI, call waiting, call transfer...

SHARED ACCESS CONTENTS

In order to access to their contents anywhere, anytime, on any device, the Sagemcom F@st 3286 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. So by using the 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 3286 provides secured remote access to shared contents remotely.

TOP CLASS WIRELESS INTERFACE

Sagemcom F@st 3286 integrates a 802.11b/g/n interface in the 2,4GHz and a 802.11 b/g/n interface in the 5 GHz band. It offers a fast and reliable wireless LAN connection. Thanks to its easy install, a home network without in house cabling can be easily built. Sagemcom F@st 3286 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.

WI-FI COMMUNITY

Sagemcom F@st 3286 integrates a scalable, filed 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 3286 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.

FIREWALL

Sagemcom F@st 3286 integrates the most up-to-date firewall tools:

- Stateful Packet Inspection
- Complete address/port/protocol filtering
- VPN pass through: PPTP or IPsec

MANAGEMENT: TR69 AND SNMP AGENTS

Sagemcom F@st 3286 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 3286 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 to guarantee high performance.

USER INTERFACE

On top of the user-friendly interface by the Sagemcom F@st 3286, a high level of customization of the GUI is possible with limited efforts. Sagemcom F@st 3286 also offers the possibility to modify the GUI from a remote management server without any software upgrade.

* Optional features

TECHNICAL FEATURES

INTERFACES

- Network:
 - DOCSIS 3.0 8x4
- User:
 - 4 Eth 10/100/1000 Base-T
 - 1 USB 2.0 host for Accessories
 - 802.11b/g/n, Wi-Fi access point in 2,4GHz 2x2
 - 802.11 b/g/n, Wi-Fi access point in 5 GHz 2x2
 - Wi-Fi ON/OFF button
 - 2 FXS

WIRELESS SECURITY

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

NETWORK

- DOCSIS 3.0:
 - Channel bounding up to 8x4
 - Backward compatible with DOCSIS 1.0/2.0 and 2.0b
 - Compatible with EuroDOCSIS and US DOCSIS frequencies

PPP FUNCTIONS

- PAP/CHAP
- Multi PPPoE sessions
- PPPoE client termination
- PPPoE session pass-through

IP FUNCTIONS

- 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 are supported)
- Voice coding:
 - G711 (64 kbps)
 - G729 (8 kbps)

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 compliant

PHYSICAL FEATURES

- External Power supply
- Size (L x D x H in mm): 230 x 155 x 45.8
- Weight (g): 446

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