Sagemcom

Sagemcom F@st 3284

HIGH PERFORMANCE MULTIMEDIA HOME GATEWAY

• Cable DOCSIS 3.0
• Enhanced home networking:
Wi-Fi 802.11n, DLNA, GigaEth LAN, USB Host
• Extended range WiFi

Sagemcom F@st 3284 is a residential gateway mainly targeted to provide broadband Internet access through a DOCSIS 3.0 cable network. With the Sagemcom F@st 3284 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 are based on the MGCP protocol but also on SIP**
- **High power Wi-Fi**

MULTI DEVICE CONNECTION

With the Sagemcom F@st 3284, 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 3284 achieves multi-FXS management. It can manage up to 3 VoIP lines. Advanced voice supplementary services offered by Sagemcom F@st 3284 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 3284 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 printing sharing or content sharing by connecting a HDD or a memory stick. Moreover the Sagemcom F@st 3284 provides secured remote access to shared contents remotely.

TOP CLASS WIRELESS INTERFACE

Sagemcom F@st 3284 integrates a 802.11b/g/n interface in the 2,4Ghz and/or 5GHz band (option). It offers a fast and reliable wireless LAN connection with extended range. Thanks to its easy install, a home network without in house cabling can be easily built. Sagemcom F@st 3284 also features a high level security mechanism: WPA, WPA2, WEP with 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.

FULLY FEATURED IP ROUTER

Sagemcom F@st 3284 supports the most up-to-date IP services applicable to residential gateway.

FIREWALL

Sagemcom F@st 3284 integrates the most up-to-date firewall tools:
- Stateful Packet Inspection
- Complete address/port/protocol filtering
- VPN pass through: PPTP or IPsec

MULTI-PLAY QUALITY OF SERVICE

Sagemcom F@st 3284 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 3284, a high level of cutomization of the GUI is possible with limited efforts. Sagemcom F@st 3284 also offers the possibility to modify the GUI from a remote management server without any software upgrade.

TECHNICAL FEATURES

INTERFACES

- Network:
  - DOCSIS 3.0 8x4
- User:
  - 4 Eth 10/100/1000 Base-T
  - 2 USB 2.0 host for Accessories
  - 802.11b/g/n, Wi-Fi access point in 2,4GHz
    High Power or 5GHz band (option).
    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 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
- 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 certified

PHYSICAL FEATURES

- External Power supply
- Size (L x D x H in mm): 210 x 150 x 47
- Weight (g): 467

* Optional features

Sagemcom Broadband SAS

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