

# SAGEM F@ST™ 3464

## VDSL2/ADSL RESIDENTIAL GATEWAYS DATA, VOICE AND VIDEO SERVICES

- Residential and SOHO routers
- Integrated VDSL2 and ADSL2+ network interface
- Eth 10/100BT and USB subscriber interfaces
- USBhost for new services (Memory sharing, Printer sharing...)
- FXS analog phone ports for VoIP services and VoIP/VoPSTN routing
- Wireless (802.11g – 802.11draft n) Access Points in option
- Firewall
- Easy installation



# SAGEM F@ST™ 3464

## VDSL2/ADSL RESIDENTIAL GATEWAYS



- SAGEM F@ST™ 3464 is a range of VDSL2/ADSL Residential Gateways. They are residential or SOHO routers providing broadband Internet access through XDSL Network.

They allow users to share an XDSL access from their PCs and other terminals such as gaming devices, set top boxes through Ethernet 10/100BT and USB and also through wireless 802.11g or 802.11 draft n interfaces (in option). They offer 1 or 2 analog phone access(es) to provide either analog voice or Voice over IP services. Any phone call can be routed either on VoIP either on PSTN through embedded FXO port and micro-filter.

- Compliant with 802.11g or 802.11 draft-n specification, SAGEM F@ST™ 3464 work as Wireless Access Points. They offer a Wireless LAN at more than 100 Mbps and an ease of installation to build up a home network without any cabling in the house or the office. SAGEM F@ST™ 3464 also feature a high level of security mechanism : WPA, WEP with 128 bits key encryption and filtering based on Ethernet MAC address List. In addition to facilitate the configuration they include automatic selection of the radio channel and Easy Pairing (WPS) for security key configuration.

- SAGEM F@ST™ 3464 gateways integrate a built in VDSL2 and ADSL2+ interface allowing the IP streams transmission over a single copper pair at 100 Mbps in VDSL 2 and 24 Mbps (downstream) and 800 kbps (upstream) in ADSL2+. SAGEM F@ST™ 3464 range is compatible with the main DSLAM available worldwide and can operate on VDSL2 or ADSL over POTS lines or ADSL over ISDN lines (option).

- SAGEM F@ST™ 3464 range offers to the customers a wide array of services :

- Bridge between the different terminals connected through the Ethernet 10/100BT, USB or Wireless interfaces
- Secure Internet Access with authentication, filtering and firewall
- Voice over IP services from analog or wireless phone sets
- IP Quality of Service
- Video services : broadcast TV and Video on Demand
- Memory sharing or Printer sharing using the USBhost interface

- Finally SAGEM F@ST™ 3464 gateways are easy to configure thanks to the variety of local or remote configuration interfaces :

- http (including a quick configuration menu)
- CLI on Telnet
- TR 069

## TECHNICAL FEATURES

### INTERFACES

- Network : multimode VDSL2/ADSL2+
  - VDSL2 : G 993.2
  - ADSL2+ : ANSI T1 413 Iss  
ITU G.992.1 (G.dmt)  
ITU G992.3, G992.5  
Annex A or B (option)
- User :
  - 4 Eth 10/100BT
  - USB 1.1 slave for PC
  - USB 2.0 host for Accessories
  - 802.11g or 802.11draft-n (Wi-Fi access point)
  - 1 or 2 FXS

### WIRELESS SECURITY

- WPA/WEP with 64 or 128 bits key
- MAC Address Access List
- Easy Pairing (WPS)

### WAN PROTOCOLS

- VDSL2 :
  - VLAN with QoS (up to 16 VLAN)
  - Encapsulation: IP/Eth or PPPoE
- ADSL :
  - ATM AAL-5
  - UBR, CBR, VBRrt, VBR nrt
  - 16 Vcc max
  - OAM cells
  - Encapsulations: IP/ATM or Eth/ATM, PPPoA ,PPPoE

### PPP FUNCTIONS

- PAP/CHAP
- Multi PPPoE sessions
  - PPPoE client termination
  - PPPoE session passthrough

### IP FUNCTIONS

- General :
  - NAT/PAT
  - DHCP client and server
  - DNS relay
- Routing : Static routing
- Firewall
  - Address, port and protocol filtering
  - Statefull Packets Inspection
- Quality of service : DiffServ

### VOICE OVER IP (VOIP)

- Protocol : H323 or SIP or MGCP (software option)
- Voice coding :
  - G711 (64 kbps)
  - G729 (8 kbps)

### MANAGEMENT

- Software upgrade by FTP
- Configuration : http, Telnet
- http quick configuration
- TR 069

### ELECTRICAL 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

### PHYSICAL FEATURES

- External Power supply
- Size (L x D x H in mm) : 263 x 184 x 42
- Weight (g) : 1000

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