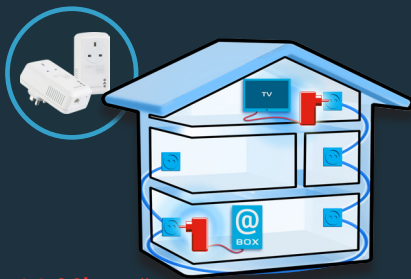# Sagemcom

F@ST PLUG 500 PREMIUM

Powerline Communication device for high performance networks

500 mbps •

Gigabit Ethernet port •

Compatible with Internet gateways •

Secured communication •

Easy to set up •

F@ST PLUG 500 PREMIUM

500 Mbps *

Media player   Set top box   Computer   Game console

APPLICATIONS

High speed broadband sharing •

Video distribution : HD & SD •

Audio and video streaming and internet downloading •

Printer and peripheral sharing •

Network and interactive online gaming •

IP Television distribution •

PC files and applications sharing •

MAIN FEATURES

500 Mbps data transmission rate*

Additional socket with integrated noise filter

Gigabit Ethernet Port

Quality of Service management

128-bit AES Link Encryption with key management

Power management

*Maximum throughput based on theoretical transmission PHY rate

STANDARDS

HomePlug AV

IEEE 1901

Eup regulation 1275/2008 :
less than 1 watt in standby mode (2011)

IEEE 802.3

Auto MDI / MDI-X

TR-069 Remote Management Support (optional)

QUALITY OF SERVICE

Priority-based CSMA/CA channel access schemes

Hardware Packet Classifiers for priority management

Supports IGMP managed multicast sessions

COEXISTENCE & COMPATIBILITY

Co-existence with HomePlug® 1.0 devices :
14Mbps & 85Mbps

Compatible with HomePlug AV® devices : 200 Mbps

MODULATION & FREQUENCY

Frequency band 2Mhz to 68Mhz

Supports OFDM, QPSK, BPSK and ROBO Modulation Schemes

BOX CONTENT

2 x F@ST PLUG 500 PREMIUM

2 x White Ethernet Cables with RJ45 connectors

1 x Quick Start Guide

HARDWARE

AR7400 Chipset

1 x Male Power Plug type E, E+F or type G

1 x Female Power Socket Type E or Type F or Type G

1 x Button Press Encryption with key management

1 x Power activity LED

1 x Powerline activity multicolor LED

1 x Ethernet Link Activity LED

1 x Reset Button

1 x RJ45 10/100/1000 Ethernet Socket (Auto MDI/MDI-X)

Dimensions 122 mm x 70 mm x 41 mm

Weight 256g

POWER & CONSUMPTION

Power : 100-240V AC 50-60Hz

Maximum consumption : 4,5 Watts

Idle Consumption : Below 1 Watt

TEMPERATURE & ENVIRONMENT

Operating Temperature : 0°C to 45°C

Max Relative Humidity (non condensing) : 90%

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