



The Most affordable way to safely share your high-speed Internet connection!

phic files. Video streams. MP3 music files. And even everyday email with large chments. Sometimes you wonder how you've been getting along without a broadband rnet connection. Now you want to share that power with others in your office or home.

anced Network Security

t from the ground up to provide multiple levels of security, the FriendlyNET Internet Router Firewall is designed around a natural firewall that protects your local computers from ide intruders. The security-hardened FriendlyNET router is the only IP network address used to the outside elements. The new FR1004 router incorporates a detailed activity log shows all network logins - including intrusion attempts. The integrated firewall is rated 'l Stealth Mode' with popular "Shields Up! Tests", and finally, the new Secure Packet ection (SPI) feature gives you even greater security by filtering both incoming and outgoing cued packets running through the router.

Outstanding Performance

Unlike other Internet routers, the FriendlyNET FR1004 was designed for maximum network performance at an affordable price. Start with the integrated 4-port 10/100 Mbps Fast Ethernet switch. When directly connecting two computers in the same room, network traffic moves at up to 100 Mbps (200 Mbps in full duplex mode) - ideal for backing up data from a notebook computer to a desktop machine. To anticipate your network expansion needs, the FR1004 series routers now support Asanté's new Auto-Uplink™ feature. Just uplink another 10/100 switch or hub to any LAN port on the router using standard Ethernet cable. You don't have to worry about uplink ports or cross-over cables; the router does everything for you, connecting up to 253 networking nodes.

Award-Winning Internet Gateway Technologies

With over 30 international awards and accolades, Asanté has earned an exceptional reputation for its world-class products. The FR1004 Series routers provide even greater security, reliability and performance—all at an affordable price.



Secure Packet Inspection (SPI)

SPECIFICATIONS

Connectors:

Model FR1004

LAN: Four 10/100 Mbps Fast Ethernet (100BaseTX, 10BaseT): RJ-45

WAN: Ethernet 10/100 Mbps Fast Ethernet (100BaseTX, 10BaseT): RJ-45

Power, Status, Speed, Link/Activity (per port), WAN and Printer.

Status Indicators:

Software Overview

Administration:

Configure locally or remotely from a web browser (Internet Explorer or Netscape, version 4 or later)

Device Status:

Router IP address, LAN MAC address, WAN MAC address and firmware version

Setup:

Context-sensitive menu prompts you only for the network parameters required for your installation. Seven different WAN types supported: dynamic IP, DSL/PPP over Ethernet, DSL (always on), cable (@Home-like), cable (static IP), static IP address and PPPTP (tunneling)

Advanced Settings

Log:

Records all intrusion attempts in volatile memory

Tampering:

No externally accessible buttons or switches to change router/network configuration, password or operating parameters

Firewall:

Secure Packet Inspection (SPI) filters both inbound (WAN) and outbound (LAN) traffic according to user-defined rules (type, source address, destination address). Ideal for protecting computers in the DMZ or virtual servers. In addition, the natural packet filter with network address translation (NAT) limits WAN traffic so it can only see the router; LAN traffic is cloaked

DMZ:

Selectable address for unrestricted 2-way communications

Administration:

Password protected. Remote access may be limited only to a specific IP address or range of addresses

Storms:

Hardware-based broadcast storm prevention

Security Features

Firewall:

Hides local network addresses behind the router using Network Address Translation (NAT)

Secure Packet Inspection (SPI)

Evaluates both inbound (WAN) and outbound (LAN) packets based on addresses, state and content

Access Control:

Limits LAN traffic only to registered computers with specified hardware (MAC) address

Applications Interoperability

Microsoft:

Universal Plug-and-Play (UPnP) and NetMeeting

Apple:

AppleTalk and QuickTime

Messaging:

H.323, AOL Instant Messenger, ICQ and mIRC

Others:

RealPlayer, Dialpad, Quake, Half-Life and Star Craft Unreal Tournament

Standards Compliance

Network:

IEEE 802.3u Fast Ethernet over 2 pairs of UTP Category 5 (100BaseTX)

IEEE 802.3 Ethernet over 2 pairs of UTP Category 3 (10BaseT)

FR1004AL: IEEE 802.11b Wireless Ethernet over 2.4 GHz

Translation:

Network Address Translation (NAT, RFC 1631)

Transmission:

Point to Point Protocol over Ethernet (PPPoE, RFC 2516) and Point to Point Tunneling Protocol (PPTP)

Performance

Processor:

RISC CPU

Memory:

Upgradeable FLASH firmware from web browser

LAN:

10/100 Mbps

WAN:

10/100 Mbps

Physical Characteristics

Dimensions:

7.9 x 5.9 x 1.7 inches (201 x 151 x 44 mm)

Weight:

About 1.1 pounds (0.5 Kg)

Environmental Range

Operating Temperature:

32° to 104° F (0° to 40° C)

Relative Humidity:

10% to 95% non-condensing

Power:

5 VDC. Includes external power module

Emissions:

FCC Class B and CE

Support

Product Warranty:

Two-year product warranty covers defects in manufacturing and workmanship

Technical Support:

One-year of free telephone support plus unlimited 24-hour support via web

Product Updates:

Free download of maintenance releases from web

ORDERING INFORMATION

Name	Description	Asanté Part Number*
FriendlyNET FR1004	4-port Internet router with firewall	99-00729-01
FriendlyNET FR1004AL	4-port wireless Internet router with firewall and built-in printer server	99-00730-01

* For international part numbers, please refer to the Asante price list.



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