Fire4 Systems
Network Products for Public Internet Access

NX1: Internet Management Appliance for Medium Scale Public Internet Deployment

The NX1 Internet Management Appliance is a router with a rich suite of features for any business that wants to offer Internet access to the public. The user login environment (walled garden) is completely configurable from a single (splash) page to a multi-page web site. Five billing interfaces include credit card processing and scratch cards. Free Internet access can generate revenue though the splash page banner advertising feature. The NX1 is also a customer loyalty tool and can be used to gather user information as part of the Internet provisioning process. For many businesses the costs of providing Internet for guests are steadily increasing as new technologies like voice over IP, video and music streaming become more popular. The NX1 features include reducing the cost of providing Internet services through efficient bandwidth management that permits the use of lower cost data circuits. Each product includes a 1-year management account subscription.

NX1

PRODUCT SPECIFICATIONS

WAN ports	1
LAN ports	2
Wireless port	No
Router throughput	20 Mb/s
Recommended users	1 to 25
Configuration	Browser GUI
Perimeter firewall	Yes
User authentication	Commercial mode
Acceptance TOU	Disclaimer mode
IP filtering	Yes
MAC filtering	Yes
Walled garden	Captive portal Web server
LAN port isolation	Yes
User bandwidth management	Yes, set upload & download
Failure monitoring	Yes
Remote management	Yes
Ad banner management	Yes
Billing modes	5
Payment Card Industry (PCI) Compliance	Yes

SUMMARY

Network appliance for Internet access provisioning.
- Includes 1-year management account subscription
- Up to 25 concurrent users
- Captive portal with customizable splash web site
- User access authentication
- Five user billing modes
- Banner advertising
- Real time failure monitoring
- Remote management
- Multiple report generation

Plug and play products for all public Internet provisioning applications   **www.fire4.com**
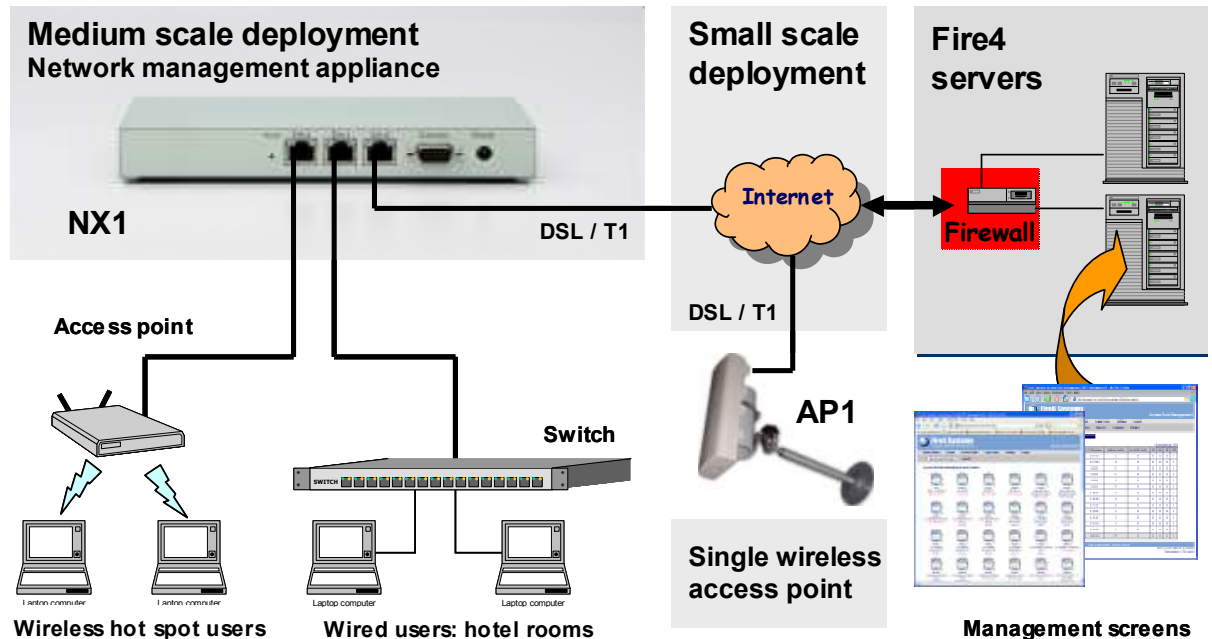
Provisioning Guest Internet Services

Provisioning and managing guest Internet services is as easy as installing one of our service appliances. These appliances are routers with all the features required to provide Internet services for your guests. Each router provides a customizable login page with optional banner advertising and six different billing strategies are supported in addition to free monitored access. Real time failure monitoring and remote management are provided via our SaaS server services.

The server appliance is installed in your network and managed through the server account from any computer at the network location or remotely. There is no limit to the number of appliances that can be managed from a server account.

Managing Guest Internet Use

Our guest Internet management software permits various parameters to be controlled: duration of the connection, log-in/out procedure, download speed, and upload speed. The free guest Internet access speed can be predetermined for each guest. Guests can be upgraded to faster speeds or they can purchase faster Internet access. The duration of free Internet access can be predetermined and the guest charged for additional Internet access services. Our usage tracking database also meets new EU and US regulations that are in preparation.

Customer Billing Options

When a multi-tier guest Internet service strategy is deployed that requires charges for specific Internet services then our system is ready to implement several strategies. Guests can be billed via scratch cards of access codes. In addition credit card billing can be configured. Comprehensive reporting features permit tracking of all guest charges levied.

Deployment

Our hardware products are 'plug and play': simply register the device ID with your server account to begin providing public Internet services. Our products cover any application from a coffee bar to a large resort.

For applications where our standard products don't address the project specifications we have a range of custom wireless and router solutions that address the needs of any project.

Medium scale deployment
Network management appliance

NX1

Access point

Switch

Wireless hot spot users   Wired users: hotel rooms

Small scale deployment

DSL / T1   Internet

DSL / T1

AP1

Single wireless access point

Fire4 servers

Firewall

Management screens

Login Page Customization

Login pages that guests see when connecting to the network are fully customizable. The login page can also be configured as an extension of the client's web site.

Failure Monitoring

All appliance devices can be configured for failure monitoring. On the event of failure the service initiates a trouble ticket sending out emails and optional cell phone text messages.

Login Page Banner Advertising

Login pages can include banner advertising that permits additional income to be generated from the guest network. Banners are managed via the clients server account.

Remote Product Management

All appliance devices can be managed remotely for routing maintenance, or after a device failure. Redundant device configurations can also be activated remotely.

Reporting

Reports show traffic data, sales of access codes, scratch card sales and credit card transactions. Reports can be generated for a single device, or a group of devices and downloaded in CSV format.

Wireless Hot-Spot Networks

In addition to our router appliances we have a long range 2.4 GHz wireless device that is suitable for indoor or outdoor hot spot operation connected via our router appliance or used in a stand alone mode.