

## Netopia® 3300W 3-D Reach™ Wi-Fi® Gateways

Wi-Fi Gateways with Netopia 3-D Reach Technology

### Netopia 3300W Series

#### 3-D Reach for Unparalleled Wi-Fi Performance

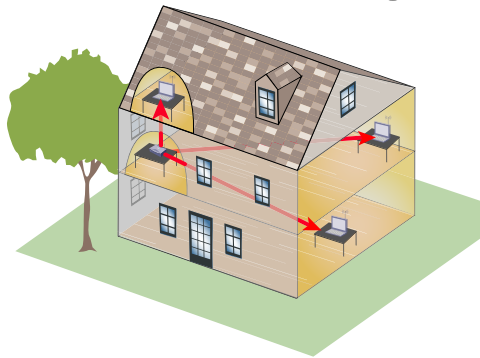
Netopia's 3-D Reach technology utilizes two radio antennas specifically tuned for both vertical and horizontal range providing seamless wireless coverage with no dropped connections or dead zones.

#### Ease-of-Use for Complete Home Networking

The Netopia gateway's intuitive web user interface (WebUI) and installation wizards make set-up and management a snap.

#### Value-Added Service Delivery Platform

The Netopia 3300W Series can serve as service delivery platform for churn reducing and revenue enhancing services.



#### 3-D Reach Technology

The 3300W Series incorporates Netopia's 3-D Reach technology for best-in-class wireless range and performance. The dual antennae 3-D Reach architecture is specifically tuned for orthogonal antenna diversity as well as azimuth and elevation co-polarization resulting in the industry's best wireless coverage throughout any residential or small business application.

#### Netopia Broadband Gateways

Only Netopia offers affordable broadband gateways for every connection type – from DSL to T1. Perfect for homes, home offices, teleworkers, small businesses and corporate branch offices, Netopia broadband gateways bring high speed broadband Internet access to every computer. Built-in security protects data, applications and gateways without the need to purchase separate software or hardware. Advanced features support growth while protecting your investment. Quick setup, comprehensive management and high reliability make Netopia 3-D Reach Wi-Fi Gateways both powerful and easy to use.

**Next-generation broadband gateways combining an ADSL or Ethernet WAN interface with Wi-Fi CERTIFIED™ wireless and Ethernet networking**

The Netopia 3300W Series is a next-generation Wi-Fi solution, designed for mass-deployment by service providers to broadband households and SOHO users. The Netopia 3300W Series gateways, incorporating Netopia's break-through 3-D Reach technology, are among the first and only broadband gateways to deliver Wi-Fi CERTIFIED™ 802.11b wireless features powered by an integrated on-board design. The Netopia solution follows the same design philosophy used by today's leading PC manufacturers.

With Netopia's 3-D Reach technology and on-board wireless configuration, subscribers experience superior wireless range and performance. By eliminating the support burden introduced by PC card slot wireless implementations, the Netopia 3300W Series lowers the costs of deployment and support for the service provider. With high performance Wi-Fi and powerful software features, Netopia Wi-Fi gateways enable service providers to deliver revenue enhancing services, such as managed Wi-Fi hot spot services, Wi-Fi home networking with parental controls, and managed Wi-Fi security for small businesses.

The Netopia 3347W and 3357W combine the power of an ADSL modem, wireless access point and Ethernet switch into a single broadband networking solution, while the Netopia 3387W turns any cable or DSL modem connection into a secure wireless and shared broadband network.

With its superior Wi-Fi performance, advanced features, and ease-of-use, the Netopia 3300W Series delivers the right combination for residential and SOHO users.

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## Technical Specifications

### Hardware Features

- WAN Interface
  - 3347W: ADSL (Annex A), RJ-11, outer/inner pair
  - 3357W: ADSL (Annex B), RJ-11, outer/inner pair
  - 3387W: Ethernet, RJ-45
- LAN Interface
  - 3347W, 3357W, 3387W:
    - Built-in Wi-Fi Certified 802.11b Wireless
    - 4 port 10/100 Ethernet Switch, RJ-45

### Encoding and Line Speed

- ADSL (T1.413, G.992.1, G.992.2), Annex A, Annex B
- Up to 8.192 Mbps Downstream and 1.024 Mbps Upstream

### Protocol Support

- ATM Adaptation Layer 5 (AAL5)
- Up to 8 Permanent Virtual Circuits (PVCs)
- Bridged or Routed Ethernet Encapsulation
- IP Multicast Pass-thru
- PPP over Ethernet Gateway
- PPP over Ethernet Pass-thru
- PPP over ATM: LLC & VC Multiplexing
- DHCP Client
- IP Control Protocol

### Bridging

- Transparent Bridged Ethernet over ATM

### Routing Function

- Network Address Translation (NAT), NAT and IP Maps
- Static Routes
- IP Multicast Outbound Support Through NAT
- DHCP Client, Server and Relay
- DNS Proxy
- VPN Pass-thru for PPTP, L2TP and IPSec
- RIP1 & RIP2

### Security

- Network Address Port Translation (NAPT)
- Stateful Firewall, ICSA-ready
- Configurable Firewall Function
- Virtual DMZ/IP Pass-thru
- Denial of Service Protection
- Pinholes
- Software and Games Control

### Security continued -

- IPSec VPN Gateway (upgrade)
  - DES, 3DES, and IKE
  - Hash Algorithm Support: MD5 and SHA1
- Security Monitoring and Logging (upgrade)

### Wireless Operating Range

- Indoors:
  - 30 m (100 ft.) @ 11 Mbps
  - 50 m (165 ft.) @ 5.5 Mbps
  - 70 m (230 ft.) @ 2 Mbps
  - 91 m (300 ft.) @ 1 Mbps
- Outdoors:
  - 152 m (500 ft.) @ 11 Mbps
  - 270 m (885 ft.) @ 5.5 Mbps
  - 396 m (1300 ft.) @ 2 Mbps
  - 457 m (1500 ft.) @ 1 Mbps

### Wireless Security

- Closed System Mode
- Up to 256-bit WEP Encryption
- MAC Address Filtering

### Management

- 2 Level Password Protected Access
- WebUI and Telnet (CLI) Management
- Software Upgradeable
- System Diagnostics and Logs
- Security Monitoring Logs (upgrade)
- 7-Layer Diagnostics
- SNMP v.1/v.2
- Remote Management Options
- Utilities: Ping, Trace Route, Reverse DNS
- Bi-colored LEDs: Power, Link, Status and Activity Indicators

### Regulatory

- FCC Part 68, Part 15, Class B
- UL Listed, CSA Approval
- European EMC & Immunity
- CE Mark
- DSL Forum TR-48 Compliant
- Wi-Fi Certified
- Industry Canada

### Environmental

- Operating: 0 to +40C
- Storage: 0 to 70C (20-80% Non Condensing)
- Power: External, 12V DC, 1000mA

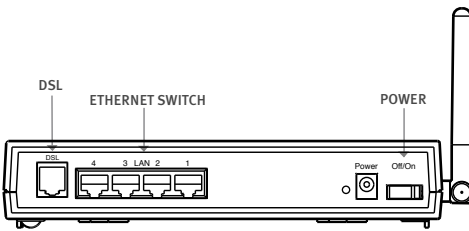
### Weight and Dimension

- Weight: 2.5 lbs (1814g) (unit carton)
- Dimensions: 6.7" (17.1cm) H, 7.7" (19.6cm) W, 1.5" (3.9cm) L

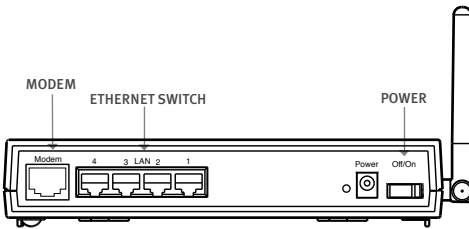
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Wi-Fi is a registered certification mark of the Wi-Fi Alliance. Wi-Fi CERTIFIED is a certification mark of the Wi-Fi Alliance.



3347W/3357W



3387W

PART NUMBERS	WAN		LAN	
	ADSL	EN	10/100 ETHERNET	802.11b
3347W	✓		4 Port SW	✓
3357W	✓		4 Port SW	✓
3387W		✓	4 Port SW	✓

