



Netopia® 3300 Enterprise Series ADSL / ADSL2+ and Ethernet Routers

HIGHLIGHTS

Delivers routing, security, and VPN features designed for distributed enterprise applications

Configured to support VoIP, IPTV, and Video-on-Demand (VOD) functionality

Wireless models include 3D Reach® Extreme technology for increased range and performance

Turns any cable modem or ADSL connection into a manageable end-point for managed service providers and distributed enterprises (3386, 3387WG)

Dial Backup for mission critical deployment; automates recovery (3366C)

Cost-effective design increases service provider profitability for mass-deployment scenarios

Business Class ADSL and ADSL2+ and Ethernet Broadband Routers for Enterprise Applications

The Motorola Netopia 3300 Enterprise Series is a family of full-featured ADSL, ADSL2+, and Ethernet routers that combine business-class functionality in a compact device that is ideal for retail, small-branch-office, and home-office environments.

The 3300 Enterprise Series supports the main access technologies for today's small office environment. Business-critical features are embedded into this family of routers, such as a built-in firewall and VPN features, robust wireless security features, self-install capabilities, and a rich set of remote management options, including menu-driven, Command Line Interface (CLI), and Simple Network Management Protocol (SNMP) interfaces. From installation to ongoing support, the 3300 Enterprise Series keeps remote offices and teleworkers secure, while allowing remote access for management and troubleshooting purposes.

Broadband models with Ethernet WAN interfaces link to any cable modem or ADSL connection for a secure and remotely manageable end-point, while ADSL and ADSL2+ models combine the modem and router into an all-in-one solution. The ADSL models interoperate with all the major DSLAM platforms, enabling broad geographic deployment. Wireless LAN models feature Motorola's 3-D Reach Extreme technology

and 802.11b/g wireless standards, delivering superior wireless range and indoor coverage.

Support for Wi-Fi® Multimedia (WMM) assures advanced Quality of Service (QoS) for wireless delivery of VoIP, IPTV, or streaming video.

The 3300 Enterprise Series gives service providers the opportunity to deliver business-class functionality that can help distributed enterprises attain top-line growth and bottom line savings. Built-in security protects data, applications, and gateways without the need to purchase separate software or hardware. Ease of use, comprehensive management, and high reliability improve customer satisfaction while reducing operational and support cost.

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3341-ENT ADSL GATEWAY

The 3341-ENT provides an ADSL modem for a single-PC user and is equipped with the standard 3300 Enterprise business-class features and functionality. There are two LAN options — a 10/100 Ethernet port or USB 1.1 port —for connecting your PC or laptop.



3346N-ENT ADSL2+ GATEWAY

The 3346N-ENT combines an ADSL2+ modem and a four-port Ethernet switch, allowing the user to set up a small network of computers or connect other Ethernet-enabled devices.



3347-02-10ENT ADSL2+ GATEWAY

The 3347-02-10ENT includes an internal wireless access point with 3-D Reach Extreme for Internet access anywhere in your retail or office environment. The four-port Ethernet switch is used to set up a home network to share the Internet from one IP address, or to hook up network peripherals like printers or external storage devices.



3366C-ENT ADSL GATEWAY

The 3366C-ENT combines an ADSL modem, four-port Ethernet switch and a console port for dial backup for mission critical deployment and automated recovery.



3386-ENT ADSL ROUTER

The 3386-ENT is a four-port Ethernet LAN model that serves as an extension to any broadband modem, allowing the user to create a network of multiple computers or Ethernet-enabled devices, such as a network printer or external storage device. The 3386-ENT is RoHS Compliant.



3387WG-ENT ADSL ROUTER)

The 3387WG-ENT is a four-port Ethernet LAN extension with internal wireless access point that connects to any broadband modem, giving the user the ability to set up a network of multiple computers or a shared network printer or external storage device. It's equipped with 3-D Reach for superior wireless range and coverage.

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Specifications

HARDWARE FEATURES

WAN Interface	
3341	ADSL
3346N	ADSL2+
3337-02-10ENT	ADSL2+
3366C-ENT	ADSL and V.92 Dial Backup
3386-ENT	10/100 Ethernet
3387WG-ENT	10/100 Ethernet
LAN Interface	
3341	One port 10/100 Ethernet (RJ-45); Single USB port
3346N	Four port 10/100 Ethernet switch (RJ-45)
3347-02-ENT	Built-in 802.11 b/g wireless; four-port 10/100 Ethernet switch (RJ-45)
3366C-ENT	Four-port 10/100 Ethernet switch (RJ-45)
3386-ENT	Four-port 10/100 Ethernet switch (RJ-45)
3387WG-ENT	Built-in 802.11 b/g wireless; Four-port 10/100 Ethernet switch (RJ-45)
LEDs	Power, Link, Status, and Activity Indicators

ENCODING AND LINE SPEED

ANSI T1.413 Issue 2
ITU G.992.1 (G.dmt) Annex A and B, G.992.3 ADSL2, G.992.5 ADSL2+

NETWORK PROTOCOL SUPPORT

ATM Adaptation Layer 5 (AAL5)	Eight Permanent Virtual Circuits (PVCs); UBR, CBR, VBRnrt, VBRrt; ITU-T I.610 (F4, F5) OAM
RFC 2516 PPP over Ethernet (PPPoE)	
RFC 2364 PPP over ATM (PPPoA)	
RFC 1483/2684 Bridged Ethernet	
RFC 1483/2684 Routed IP	
PPP (PAP, CHAP, IPCP, LCP)	
IPoE	

LAYER 2 BRIDGING

IEEE 802.1d MAC layer bridging
MAC address learning (up to 512 MAC addresses) and aging
Multicast groups
Configurable maximum packet size
IEEE 802.1Q VLAN tagging
Bridge and routing mode selection

ROUTING FUNCTION

Static routing PPP over Ethernet Gateway
Default route
Numbered or unnumbered WAN interface

ROUTING FUNCTION, CONT.

Up to eight subnets on the LAN, with DHCP server associations
Transparent bridging option
Virtual router interfaces (ALAN)
Variable length subnet mask
RFC 1058 RIP V1 on LAN/WAN
RFC 2453 RIP V2 on LAN/WAN
RFC 792 ICMP redirects
DHCP client, server and relay agent
Extensive DHCP Option support and Filter Rules
DNS relay
Netbios proxy
BootP
PPP Dial on demand
HeartBeat capabilities
IGMP Multicast Forwarding (LAN)
IGMP Multicast Forwarding (WAN)
IGMP Snooping
IGMP Fast Leave
RFC 1112 IGMP v1
RFC 2236 IGMP v2
RFC 3376 IGMP v3
Multiple Primary LAN Subnets

IEEE 802.11B/G WIRELESS LAN (3347-02-10ENT AND 3387WG-ENT ONLY)

High Power Radio	400 mW (26 dBm) transmit power on all channels (100 mW EMEA)
Antenna diversity (omni-directional)	
Optional reverse-SMA for external antenna support	
Supported Data Rates	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, and 54 Mbps with auto-rate fallback
IEEE 802.11e WMM	Best Effort, Background, Video, Voice
Multiple SSID	
Voice-over-Wi-Fi	
Wi-Fi-certified (WPA2-Personal and WMM)	

WIRELESS LAN SECURITY (3347-02-10ENT AND 3387WG-ENT ONLY)

IEEE 802.1X
WEP64, WEP128, WPA, WPA-PSK, IEEE 802.11i, WPA2
Block wireless bridging
Closed system mode
Transmit power control

HIGH AVAILABILITY

Backup default gateway through an external router
Schedule connections
RFC 2338 VRRP

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SECURITY

Built-in firewall, packet filtering on source/destination address, service, and protocol; up to 255 rules in up to 8 filter sets
Policy-based routing

SPI (Stateful Packet Inspection) Firewall

Denial of Service attacks (DoS)

Distributed DoS (DDoS)

Filter on source and/or destination IP/port value

Filter on SYN, ACK flags and ICMP

IPSec VPN Gateway, Tunnel Mode	Hardware accelerated; DES and 3DES encryption; manual key and IKE; AH and ESP; MD5 and SHA1
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Tiered Admin access

4 management users profiles

RFC 2865 RADIUS (AAA) management authentication support

RFC 1492 TACACS+ Authentication

MANAGEMENT

Management via menu-driven or CLI interfaces with console or Telnet access

Easy setup with menu-driven interface

Console Tiered Access, 2 levels of configuration access

Configuration Management, up to 3 backup user-defined configurations

System diagnostics and logs

TFTP or X-Modem download/upload of new firmware and configuration files

Utilities: ICMP ping, trace route, Telnet client, and Syslog client

LEDs: power, WAN, and Ethernet; link, status, activity indications

CLI (full featured scriptable with integrated help)

Internal Dial-in console mgmt

Configurable console timeout

Management port reassignment

Device and WAN event logs

Logging and scripting

SNMP v1 & 2 support with enterprise MIBs

Persistent configuration storage during power down

Firmware updates via TFTP

Time/date set via NTP

REGULATORY

FCC Part 68, Part 15, Class B

UL Listed, CSA Approval

European EMC and Immunity

CE Mark

DSL Forum TR-067 Compliant

Industry Canada

ENVIRONMENTAL

Operating Temperature 0 °C to +40 °C (32 °F to 104 °F)

Storage Temperature 0 °C to +70 °C (32 °F to 158 °F)
(20 – 80% non-condensing)

Power Power: External, 12 VDC, minimum of 450mA, maximum of 1000mA, depending on model

WEIGHT AND DIMENSIONS

Wired (3341-ENT, 3366C-ENT, 3346N-ENT, 3386-ENT)

Weight 3 lb (1361 g) (unit carton)

Dimensions 1.4 in H x 5.3 in W x 5.4 in L
(3.5 cm x 13.5 cm x 13.7 cm)

Wireless (3347-02-10ENT, 3387WG-ENT)

Weight 4 lb (1814 g) (unit carton)

Dimensions 1.5 in H x 7.7 in W x 6.7 in L
(3.9 cm x 19.6 cm x 17.1 cm)



MOTOROLA



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