



3386-ENT

Netopia® Broadband Enterprise Ethernet Router

Business-class Broadband Router for Enterprise LAN Applications that serve as an extension to an existing broadband connection.

HIGHLIGHTS

- Turn any broadband connection into a manageable end-point for managed service providers and distributed enterprises
- Multiple LAN options to support small-office networking
- User-friendly installation for simple set-up
- Robust security features to protect PCs and other networked devices from unwanted intrusions
- Deliver routing, security and VPN features designed for distributed enterprise applications
- Advanced Quality of Service (QoS) features designed to help service providers improve efficiency and reduce costs
- Advanced features are designed to help service providers monetize broadband networks, while improving efficiency and reducing costs

The Motorola Netopia 3386-ENT Broadband Enterprise Ethernet Router is an enterprise-class router equipped to handle the needs of small-medium-sized and distributed businesses. The 3387-ENT is designed for the enterprise user who wants to create a network of multiple computers or Ethernet-enabled devices, such as network printers or external storage devices.

The 3386-ENT is equipped with four-port Ethernet Switch, enabling business users to create a network of multiple computers or Ethernet-enabled devices in their business environment. It comes standard with a wide-range of routing, security, and management features optimized for enterprise applications. Unlike competitive solutions that require expensive and cumbersome firmware upgrades, the 3386-ENT is deployment ready for applications requiring high-speed VPNs, stateful firewall security, and enterprise-class remote management. The rich security feature set and high-performance hardware features eliminate the need for an additional firewall or VPN security appliance.

The 3386-ENT is a full featured gateway, equipped with four 10/100 Mbps Base-T Ethernet ports, which can be used to set-up a small-office network to share a printer or transfer data. The Ethernet WAN interface links to any cable modem or xDSL connection for a secure and remotely manageable end-point. The

3386-ENT supports main access technologies for today's small office environment. Business-critical features are embedded, such as built-in firewall and VPN 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 3386-ENT keeps remote offices and teleworkers secure, while allowing remote access for management and troubleshooting purposes.

The 3386-ENT gateway gives service providers the opportunity to deliver business-class functionality that enables distributed enterprises to attain top-line growth and bottom line savings. Built-in security protects data and applications without requiring one to purchase separate software or hardware. Ease of use, comprehensive management, and high reliability improve customer satisfaction, while reducing operational and support costs.



Specifications

In addition to delivering high-quality gateways to its customers, Motorola is also committed to helping its customers reduce their environmental footprint. We approach this in several ways: improving the environmental profile of our products, running our operations in a safe and energy-efficient manner and helping our customers to be greener when they use our products.

Motorola's Netopia Gateways help service providers lower their energy consumption, thereby helping them reduce their carbon footprint. Motorola has a global commitment to be part of the solution to climate change, and has worked for years to continually improve our environmental profile. We are in step with our customers and their increasing interest in partnering with a company that helps them reduce their environmental impact, while offering compelling products to help them grow their eco-conscious customer base.

Motorola is working to make products with a reduced environmental impact. In the development of our next-generation Netopia Gateways, we have focused on energy efficiency, lead-free manufacturing, and packaging / recycling enhancements. Depending on models and market, our units are ENERGY STAR qualified and compliant with European Code of Conduct regulations. In addition, the devices and power supplies are lead-free and RoHS compliant. Finally, all new Netopia Gateways use environmentally friendly package designs. They are available in single bulk pack boxes that eliminate the use of suspension plastic and reduce box size, thereby reducing waste and transport costs. Motorola's VIP set-top packaging is 100% recyclable and is marked with standard recycling codes to make it easier for our customers to identify recycling opportunities.

INTERFACES

WAN

- One 10/100 Base-T Ethernet Port (RJ-45)
- Auto-MDIX/MDX
- Full or Half Duplex

LAN

- Ethernet
- Four 10/100 Base-T Ethernet Ports (RJ-45)
- Ethernet Ports; Auto-MDIX/MDX; Full or Half Duplex

LEDs

- Power, Ethernet, Internet Status and Activity Indicators

LAYER 2 BRIDGING

- 802.1d MAC layer Bridging
- MAC address learning and aging
- 512 Maximum MAC addresses learned
- Multicast groups
- Configurable Maximum Packet Size
- VLAN 802.1Q support
- Bridge and Routing mode selection

LAYER 3 ROUTING - IP

- Static routing
- Default route
- Virtual router interfaces
- Variable length subnet mask
- RIP v1 and v2 on LAN/WAN
- ICMP redirects
- DHCP server, relay agent, and client
- DNS relay
- Netbios proxy
- BootP
- PPP Dial on demand
- HeartBeat capabilities
- IGMP Multicast Forwarding (LAN/WAN)
- IGMP Snooping
- IGMP Fast Leave
- IGMP v1, v2 and v3
- Multiple primary LAN subnets

IP ADDRESS TRANSLATION

- Network renumbering (RFC 1631)
- NAT / PAT / NAPT
- 6000+ Maximum simultaneous NAT/NAPT sessions
- NAT pass-through
- Multiple PAT maps
- Adjustable PAT range
- Application layer gateways: SIP support
- UPnP

PROTOCOLS

- PPP over Ethernet (RFC 2516);
- PPP over Ethernet passthrough;
- User authentication (PAP/CHAP/MSCHAP)

QUALITY OF SERVICE

- DiffServ traffic prioritization through TOS
- 802.1p QoS Configurable traffic prioritization by source and destination addresses; Port and protocol

HIGH AVAILABILITY

- External analog backup
- Backup gateway
- Schedule connections
- VRRP

SECURITY

- Basic firewall capabilities
- Policy-based routing
- Filter on source and/or destination IP/port value
- Filter on SYN, ACK flags and ICMP
- SPI Firewall
- Logging and scripting
- Stateful Inspection Firewall
 - Denial of Service attacks (DoS);
 - Distributed DoS (DDoS)
- VPN (Gateway, Client, or Server Termination)
- PPTP; L2TP; LNS - L2TP access server; GRE; IPSec (IKE, AH, ESP; DES [56-bits and 3DES 168-bits]);
- L2TP encapsulation in IPSec; Initiate terminate VPN connections (maximum number of tunnels: 15)
- Secure Management
- Tiered admin access; 4 management users profiles;
- RADIUS (AAA) management authentication support;
- TACACS+ Authentication

CONFIGURATION AND MANAGEMENT

- Menu UI
- CLI (full featured scriptable with integrated help)
- Configurable console timeout
- Management port reassignment
- Device and WAN event logs
- SNMP v1 and v2 support with enterprise MIBs
- Persistent configuration storage during power down
- User defined backup configuration
- Firmware updates via TFTP
- Time/date set via NTP
- Syslog server support
- Recovery button
- Ping packet generation
- Traceroute

Specifications (continued)

INSTALLATION WIZARD

PC	Windows® 2000, XP™ SP2, Vista®, and 7
Macintosh®	Mac OS® X

REGULATORY COMPLIANCE

United States:	
FCC Part 68, Part 15 Class B, UL 60950 (CEC Compliant Power Supply)	
Canada	
CS-03, ICES-003, RSS-210, CUL, CSA	
EMEA	
R&TTE, EN 300 328, EN 301 489, ITU K.21 (RoHS Compliant; CE Mark)	

ENVIRONMENTAL

Operating Temperature	32 °F to 104 °F (0 °C to 40 °C)
Relative Humidity	5 to 90% (non-condensing)
Storage Temperature	-40 °F to 185 °F (-40 °C to 85 °C)
Power Consumption	External, 12 VDC, minimum of 450mA, maximum of 1000mA

PHYSICAL SPECIFICATION

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)
Weight	3 lbs (1361g) (unit carton)
Placement	Horizontal desktop or Vertical wall mount placement

ORDERING INFORMATION

North America	555597-002-00
EMEA	555597-001-00

All features, functionality and other product specifications are subject to change without notice or obligation.



MOTOROLA

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