

# THE CAYMAN 3220 SERIES: 3220-H • 3220-H-W11 • 3220-H-WRF

*Wired, Wireless or Both...Digital Freedom™*

## FEATURES & BENEFITS:

### FEATURES

Integrated ADSL gateway solution

Optional support for 802.11b and HomeRF™ provides LAN flexibility

DHCP Client and Server facilitate configuration and installation

Network Address Translation (NAT) provides protection and ease of use by sharing one public IP address for all internal LAN systems accessing the Internet

Advanced applications available via software key files increase flexibility and enhance security

### BENEFITS

Absence of client software and "easy-to-use, hard-to-misuse"™ embedded web management platform reduces time and overall cost of setup, configuration, and maintenance

Optional field upgrades protect user's initial investment without conceding functionality

Security Monitoring, BreakWater Firewall, BarrierReef™ Advanced Firewall, and SafeHarbour™ IPSec tunnel termination security applications enhance the safety of the network and reduce the risk of compromise



Cayman's 3220 ADSL product family enables the delivery of broadband services to home, small office and telecommuter networks. Built upon Cayman's award-winning gateway technology, the 3220's field upgrade design provides the solution for today while preserving the investment for the future. A wide array of base software features enables secure networking for multiple devices while field upgrades add advanced security applications such as firewall, monitoring and Virtual Private Network (VPN) capabilities.

The 3220-H is equipped with a fully functionality 4 port 10BaseT Ethernet hub while the 3220-H-W11 and 3220-H-WRF add support for an 802.11b and HomeRF wireless access point respectively. At the heart of the 3220 is its three tiered operating system (os), supporting 1, 5 and unlimited WAN users. The software, coupled with the variety of hardware platforms, offers customers options to fulfill any requirement.

The 3220 product family is designed for ease of use and flexibility without compromise for security. Support for DHCP Client and Server facilitates network configuration while Network Address Translation (NAT) and IP Maps provide security for all internal LAN systems accessing the Internet. For users requiring advanced security, optional software feature keys can be installed to enable enhanced security features. Cayman's BreakWater Firewall provides three pre-configured firewall settings while BarrierReef supports Stateful Multi Layer Inspection (SMLI) advanced firewall functionality. Advanced features also include Security Monitoring, an enhanced intrusion detection, response and log application, and SafeHarbour IPSec tunnel termination, which is employed with VPNs.

The 3220 product family truly integrates security, flexibility and ease of use in a single ADSL broadband gateway. The 3220's base functionality, coupled with support for software feature key upgrades, is the solution for today's broadband networking requirements and tomorrow's technology question.



*Digital Freedom...changing the way people work, live and play.*



# SPECIFICATIONS THE CAYMAN 3220 SERIES

**Client Requirements:** Web Browser

**Clients Supported:** MS-Windows95, MS-Windows98, MS-Windows2000, MS-WindowsNT, MS-WindowsME, MS-Windows XP, MacOS, UNIX, Linux, any device with a web browser.

**WAN Interface:** ADSL G.992.1 (G.DMT), G.992.2 (G.Lite) and T1-4.13

**LAN Interfaces:**

**3220H:** 4 port 10BaseT Ethernet Hub

**3220-H-W11:** 4 port 10BaseT Ethernet HUB & 802.11b access point

**3220-H-WRF:** 4 port 10BaseT Ethernet HUB & HomeRF™ access point

**Software Features:**

**Tiered Operating Systems (OS)** (see matrix below)

**WAN Interface Support:** Multimode DSL drivers, RFC 1483, RFC 2684

**Protocols:** IP v4, RIP v1 (RFC 1058), RIP v2 with MD5, PPPoE (RFC 2516), PPPoA (RFC 2364), PPP Subnet extension, Ethernet LLC

**WAN Services:**

- NAT, PAP, CHAP, ICMP
- DHCP Client
- Multi PPPoE session support
- Pinholes
  - Port redirect of particular traffic
- IPSec Passthrough
  - Compatible with third party VPN Client software
  - Ability to enable/disable
- IP MAPS
  - True one-to-one NAT
  - Support for up to 10 static address mappings

**LAN Services:** DNS Proxy, DHCP Server

**Diagnostics:** Ping, Trace Route, DNS Lookup, ATM OAM Support, DSL Line Statistics, IP Trace, ARP Trace, DHCP Trace, DNS Trace, HTTP Trace, Application Layer Gateway Trace, PPP failure indication, ADSL Dying Gasp

**OAM&P Simplification:** Network Address and Port Translation, PAT Application Layer Gateway, NAPT default server, RFC1918, NIST time signal acquisition

**Feature Keys:** Optional software feature keys installed on gateway to enable additional functionality

**Security:**

- User and admin passwords
- Remote admin access disable
- Port redirect
- Port Address Translation
- Inter WAN routing disable
- IPSec Pass Through support
- IP multicast support through NAT (bridging only)
- Instant-on PPP
- Admin-only VC
- Inter-VC bridging disable

**BreakWater Firewall:** [optional via software feature key]

- Basic firewall feature enhances security configuration by restricting LAN and WAN traffic
- 3 user-settable, pre-configured firewall settings:
  - ClearSailing
  - SilentRunning
  - LANdLocked

**BarrierReef Advanced Firewall:** [optional via software feature key]

- Rules-based, Stateful Multi Layer Inspection (SMLI) firewall
- Both default or user-configurable security plans supported
- Configuration (local and remote) via Windows-based Firewall Manager application

**SafeHarbour IPSec tunnel termination:** [optional via software feature key]

- Support for 1 IPSec tunnel at the Calypso
- IPSec/IKE standards
- Client or server termination
- Symmetric encryption support: DES, 3DES, Blowfish and CAST
- Hash algorithm support: MD5 and SHA1

**Security Monitoring:** [optional via software feature key]

- Enhanced monitoring and logging of security events
- Notification via embedded web interface
- Automatic logging of common events Calypso protects against
  - IP source address spoofing
  - Source routing
  - Subnet broadcast amplification
  - Illegal Packet size
  - Port scan
  - Excessive pings
  - Admin login failure
  - MAC address spoofing

**Configuration & Management:**

- Web browser user interface
- Telnet configuration
- Local maintenance port
- Operating system updates via [www.netopia.com](http://www.netopia.com)
- Recovery software image storage
- SNMP with disable
- Configuration summary screen
- Quick Install format
- Auto configuration of PPPoE sessions
- Fault tolerate software upgrade

**Hardware Specifications:**

**Power:** AC 120V Input nominal (international unit available)

**Temperature:** 0° to 40° C

**Humidity:** 5% - 95% non-condensing

**Dimensions:** 9" x 8" x 1.65"

**Weight:** 2 lbs. 8 oz.

**Compliance:** FCC part 15 Class B, ICES-C03 Class B, UL 1950, CSA22.2, CE Marked



Tiered Operation System (OS)			
Feature / OS	Basic	Cayman	Grand Cayman
WAN Users	1	5	253
VPI/VCI's	1	1	8
PPPoE sessions	1	3	8

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