

THE CAYMAN 2E SERIES: 2E • 2E-H • 2E-H-W11 • 2E-H-WRF

Wired, Wireless or Both...Digital Freedom™

FEATURES & BENEFITS:

FEATURES

Flexibility and security for existing broadband networks

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 2E product family is an ideal solution for integrating home, small office and telecommuting networks with any broadband connection (cable, xDSL, satellite, fixed wireless). Broadband Service Providers can enhance existing high-speed services by offering secure, multi-device (PCs, printers, servers) Internet connectivity.

Built upon Cayman's award-winning gateway technology, the 2E'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 2E product family consists of four models: The 2E is equipped with a single 10BaseT LAN port while the 2E-H adds a fully functionality 8 port 10BaseT Ethernet hub. For further LAN flexibility, the 2E-H-W11 and 2E-H-WRF add support for an 802.11b and HomeRF access point respectively. At the heart of the 2E 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 2E 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 feature. Cayman's BreakWater Firewall provides three pre-configured firewall settings while BarrierReef provides a 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.

Cayman is committed to providing reliable software upgrades, incorporating new standards and customer requested features. The gateway's base functionality, coupled with support for software feature key upgrades and optional wireless LAN support is today's solution for integrating and enhancing any existing broadband network.



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



SPECIFICATIONS

THE CAYMAN 2E 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: 2E series: One (1) 10BaseT

LAN Interfaces:

2E: One (1) 10BaseT

2EH: Eight port 10BaseT Ethernet HUB

2E-H-W11: Eight port 10BaseT Ethernet HUB & 802.11b

2E-H-WRF: Eight port 10BaseT Ethernet HUB & HomeRF™

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), 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
- 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

Power consumption: 15W max

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

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

MD-2E-000-801