

Contivity Secure IP Services Gateway



Overview

The Contivity Secure IP Services Gateways are the perfect answer for Enterprises building managed IP Virtual Private Networks (VPNs) — for intranets, extranets and remote access. A single hardware device provides advanced IP routing, firewall, bandwidth management, encryption, authentication and data integrity for secure tunnelling across managed IP networks and the Internet. It is easy to answer an organisation's networking requirements — whether providing the service to one's own organisation or as a managed service provided to Enterprise customers. One box provides a full range of features for building high-performance, scalable, secure IP VPNs.

Customer Profile

The Contivity Secure IP Services Gateways are the perfect answer for all Enterprises building managed IP VPNs for intranets, extranets and remote access.

Typical Applications

Contivity Secure IP Services Gateways are used to create IP-based VPNs, which provide connections to employees, customers, suppliers, partners and organisations and foster communication, collaboration and eBusiness. VPNs require a new class of product to support large-scale access with high security and centralised management. Only the Contivity VPN Switch integrates all the features needed to build a high performance, scalable and secure VPN.

Nortel Networks offer a complete VPN solution with Contivity Secure IP Services Gateways. The solution includes site-to-site encrypted tunnelling; IPSec encryption from the switch to the desktop; integrated configuration and management software; simplified interfaces for both switch administration and for the IPSec Client; an integrated Authorisation, Authentication and Accounting (AAA) server and flexible and scalable VPN deployment options.

Nortel Networks high performance VPN platforms enable one to access the Enterprise network anytime, anywhere, through a secure virtual private

network. The Contivity Secure IP Services Gateways integrates all of the necessary VPN technologies into a single platform such as routing, firewall, bandwidth management, encryption, authentication and data integrity for secured tunnelling across the Internet.

Key Points

- A single hardware device that provides routing, firewall, bandwidth management, encryption, authentication and data integrity for secure tunnelling across managed IP networks and the Internet. One box provides a full range of features for building high-performance, scalable, secure IP VPNs.
- Contivity's Secure IP Services – Advanced Routing, full VPN capabilities, and Stateful Firewall – can now be purchased and implemented independently
- Cost Savings - using the Internet or a Managed IP Service as the wide area transport allows connections to be local to the users
- The Internet provides a world wide presence
- Easy to scale the network - also allows for full-mesh connectivity
- Provides a secure and fast method to communicate with business partners and suppliers
- Can also leverage the Service Provider's backbone for a consistent level of performance and SLAs - additional provider services may be available

Features and Benefits

Secure IP Services Gateways (supporting both Branch and Client tunnels)

Contivity 1700

Up to 500 tunnels

Hardware Features:

- Memory:
- Standard – 128 MB (Maximum – 256MB)
- 850 MHz processor
- One PCI expansion slot
- LAN/WAN interfaces:

Standard

- 2 10/100 Base-T Ethernet ports
- Management/console port (DB-9)

Optional

- Additional 10/100 Base-T Ethernet
- Single-port V.35/X.21
- T1 with integrated CSU/DSU

- Encryption accelerator card

Software Features:

Standard

- Contivity VPN O/S software with 5 VPN tunnels and IP routing (RIPv2)
- Contivity VPN Client software for MS-Windows with unlimited distribution license

Optional , via Software Licence Keys

- Contivity VPN Upgrade to 500 VPN tunnels*
- Contivity Stateful Firewall
- Contivity Advanced Routing (OSPF, VRRP, bandwidth management)
- Contivity Multi-OS VPN Client for MAC and UNIX

- CD and on-line HTML documentation

*Note: Contivity with standard software and 500 VPN tunnel license can be purchased as a single bundled model number.



Contivity 2700

Up to 2,000 tunnels

Hardware Features:

- Memory:
 - Standard – 128 MB (Maximum – 256MB)
- 1.33 GHz processor
- Three PCI expansion slots
- LAN/WAN interfaces:
- Standard
 - 2 10/100Base-T Ethernet ports
 - Management/console port (DB-9)
- Optional
 - Additional 10/100Base-T Ethernet
 - Single-port V.35/X.21
 - T1 with integrated CSU/DSU
 - High Speed Serial Interface (HSSI)

- Encryption accelerator card

Software Features:

Standard

- Contivity VPN O/S software with 5 VPN tunnels and IP routing (RIPv2)
- Contivity VPN Client software for MS-Windows with unlimited distribution license

Optional , via Software Licence Keys

- Contivity VPN Upgrade to 2,000 VPN tunnels*
- Contivity Stateful Firewall
- Contivity Advanced Routing (OSPF, VRRP, bandwidth management)
- Contivity Multi-OS VPN Client for MAC and UNIX

- CD and on-line HTML documentation

*Note: Contivity with standard software and 2000 VPN tunnel license can be purchased as a single bundled model number.



Contivity 4600

Up to 5,000 tunnels

Hardware Features:

- Memory:
 - Standard – 256 MB (Maximum – 1 Gigabyte)
- Dual 800 MHz processors
- Five PCI expansion slots
- LAN/WAN interfaces:
 - Standard
 - 2 10/100Base-T Ethernet ports
 - Management/console port (DB-9)
 - Optional
 - Additional 10/100Base-T Ethernet
 - Single-port V.35/X.21
 - Dual-port V.35
 - T1 with integrated CSU/DSU
 - High Speed Serial Interface (HSSI)
- Encryption accelerator card
- Dual, redundant, auto-switching power supply system with dual line cords
- Dual, redundant storage system
- Software Features:
 - Standard
 - Contivity VPN O/S software with 5,000 VPN tunnels and IP routing (RIPv2)
 - Contivity VPN Client software for MS-Windows with unlimited distribution license
 - Optional , via Software Licence Keys
 - Contivity Stateful Firewall
 - Contivity Advanced Routing (OSPF, VRRP, Bandwidth management)
 - Contivity Multi-OS VPN Client for MAC and UNIX
- CD and on-line HTML documentation



Contivity 1010/1050

Up to 30 tunnels

Hardware Features:

- Memory: 128 MB RAM; 32 MB Flash
- LAN/WAN interfaces:
 - Contivity 1010
 - 2 10/100Base-T Ethernet ports (RJ-45)
 - Management/console port (DB-9)

Contivity 1050

- 1 10/100 Base-T Ethernet (RJ-45)
- 4-port 10/100 Ethernet switch (RJ-45)
- Management/console port (DB-9)
- Software Features:
 - Standard
 - Contivity VPN O/S software with 5 VPN tunnels and IP routing (RIPv2)
 - Contivity VPN Client software for MS-Windows with unlimited distribution license
 - Optional, via Software Licence Keys
 - Contivity VPN upgrade to 30 VPN tunnels
 - Contivity Stateful Firewall
 - Contivity Advanced Routing (OSPF, VRRP, bandwidth management)
 - Contivity Multi-OS VPN Client for MAC and UNIX
- CD and on-line HTML documentation



Contivity 1100

Up to 30 tunnels

Hardware Features:

- Two PCI expansion slots
- LAN/WAN interfaces:
 - Standard
 - 110/100 Base-T Ethernet (RJ-45)
 - 4-port 10/100 Ethernet switch (RJ-45)
 - Management/console port (DB-9)

Optional

- Additional 10/100Base-T Ethernet Interface Card
- Single-port V.35/X.21 Interface Card
- T1 with integrated CSU/DSU Interface Card
- V.90 Dial Modem Interface Card (2Q03)
- E1 Interface Card (2Q03)
- ISDN BRI with integrated S/T/U Interface Card (2Q03)
- Software Features:
 - Standard
 - Contivity VPN O/S software with 5 VPN tunnels and IP routing (RIPv2)
 - Contivity VPN Client software for MS-Windows with unlimited distribution license
 - Optional, via Software Licence Keys
 - Contivity VPN Upgrade to 30 VPN tunnels
 - Contivity Stateful Firewall
 - Contivity Advanced Routing (OSPF, VRRP, bandwidth management)
 - Contivity Multi-OS VPN Client for MAC and UNIX
- CD and on-line HTML documentation



Contivity 600

Up to 50 tunnels

Hardware Features:

- Memory: 128 MB
- One PCI expansion slot
- LAN/WAN interfaces:
 - Standard
 - 2 10/100Base-T Ethernet ports
 - Management/console port (DB-9)

Optional

- Additional 10/100Base-T Ethernet
 - Single-port V.35/X.21
 - T1 with integrated CSU/DSU
 - Software Features:
 - Standard
 - Contivity VPN O/S software with 50 VPN tunnels and IP routing (RIPv2)
 - Contivity VPN Client software for MS-Windows with unlimited distribution license
 - Optional, via Software Licence Keys
 - Contivity Stateful Firewall
 - Contivity Advanced Routing (OSPF, VRRP, Bandwidth management)
 - Contivity Multi-OS VPN Client for MAC and UNIX
 - CD and on-line HTML documentation
- Branch VPN Switches (support for Branch Office tunnels only):



Contivity 100

- Fixed configuration platforms
- Pentium-class 300 MHZ processor
- 16MB memory
- 8MB Flash memory

Interfaces:

- Dual 10/100 Ethernet ports
- Serial port (out-of-band or PPP)
- Single and dual Analogue ports
- ISDN
- Dual or Triple Ethernet
- Contivity 100 software
- 5 branch Tunnels



Contivity 400

- Fixed configuration platforms
 - Pentium-class 500 MHZ processor
 - 64MB memory
 - 8MB Flash memory
- ### Interfaces:
- Dual 10/100 Ethernet ports
 - Serial port (out-of-band or PPP)
 - 7-port 10/100 Ethernet switch
 - V.35 and 10/100 Ethernet
 - T1 (CSU/DSU)/E1/V.35/X.21 and ISDN back-up
 - V.90 dual Analogue modems
 - ISDN (with and without NT1)
 - Built-in web cache
 - Contivity 400 software
 - 30 branch tunnels

Remote Access:

- Cost effective remote access services with ability to leverage the Internet. Variety of access options – from 56 Kbps to multi-megabit supporting dedicated telecommuters and travelling employees

Branch to Branch:

- Leverage the Internet for WAN connectivity to remote or branch office locations – cheaper than Frame Relay
- Provide secure tunnelled connections for branch locations
- Simultaneously allow secure dial-in user connections to branches
- Create branch tunnels on demand
- Create a routed tunnelled mesh between branches

Extranet:

- Flexibility, highly secure, ubiquitous access to B2B partner sites/resources
- Contivity can consolidate VPN, firewall, Routing, Policy and QOS services in one platform that greatly reduces cost of operations
- Time to market – set-up partners with access in hours not weeks or months
- Improved security, performance, management over simple HTTPs/SSL
- Transparency – VPN deploys seamless into existing network and interworks with existing routers, firewalls and directory (authentication) services
- Reduced cost – eliminates costly private lines in favour of lower cost IP access



Ordering Information

For further information, please contact your Local Nortel Networks Representative.