

Vigor2900 Series Broadband Security Router

- ◆ Highly integrated broadband security router, combining high-speed routing technology with a comprehensive security suite of firewall, VPN, URL content filtering facilities, as well as bandwidth management capability, print-server, and secure wireless access point



WAN/Internet

- One 10/100M Base-TX port with a RJ-45 connector
- DHCP client for cable service
- Static IP address assignment for fixed IP networks
- PPPoE/PPTP client for ADSL service

LAN

- 4 port 10/100 Base-TX Ethernet switch
- DHCP server for IP assignment (up to 253 users)
- DNS cache and proxy
- NAT (Network Address Translation)
- Virtual server via port redirection or open port feature
- VLAN support
- Port-based rate throttling capability

Printer Server

- One USB port connector
- Built-in LPR printer server
- Support for Win98/98SE/ME LPR printer
- Compatible with Win2000/XP/MacOS 9/MacOS X built-in LPR printer driver

Wireless Access Point (Vigor 2900Gi & Vigor 2900G only)

- 802.11g support (54Mbps data rate)
- Twin high-gain antennas to give best coverage and diversity
- Backward compatible with 802.11b device
- Wireless security
 1. Secure VPN over WLAN
 2. WPA Support
 3. 802.1x User Authentication
 4. 64/128 bits WEP wireless encryption
 5. Client MAC-address locking
 6. SSID stealthing

Firewall Facilities

- Automatic Keep-state facility
- Selectable DoS/DDoS protection
- IP address anti-spoofing
- User-configurable packet filtering
- NAT/PAT with Port Forwarding/Redirection & DMZ
- E-mail alerting mechanism



Vigor2900



Vigor2900i



Vigor2900G



Vigor2900Gi

Virtual Private Network (VPN) Facilities

- High performance VPN device
- Up to 32 simultaneous VPN tunnels
- Dial-in or dial-out, LAN-to-LAN or Teleworker-to-LAN
- Protocol support for PPTP, IPSec, L2TP, L2TP over IPSec
- Encryption support for AES, MPPE, and hardware-based DES/3DES
- Authentication support for MD5 and SHA-1
- IKE key management
- Interoperable with other leading 3rd party vendor VPN devices or software

Flexible URL Content Filtering

- Block URL (web-site) by user-defined keywords
- Preclude web surfing from using directly IP address
- Block automatic download of Java applets and Active X controls
- Block web site cookies and proxy
- Block http downloads of file types: Executable/Compressed/Multi-media
- Support time schedule to control the restrictions and regular Internet access

Bandwidth Management Facilities

- Class-based bandwidth guarantee by user-defined traffic categories
- Provision of inbound/outbound bandwidth control
- Support of eight Priority-Levels
- Support of DiffServ-Codepoint marking

Application Support

- Windows Messenger, Yahoo Messenger, MSN Messenger V6.0, NetMeeting, ICQ2001b/2002a, most online gaming, and other multimedia applications
- UPnP protocol support

ISDN Facilities

- Compatible with Euro ISDN
- Uses ISDN for shared Internet access (dial-on-demand)
- Support for 64Kb/s and 128Kb/s (Multilink-PPP)
- Automatic ISDN backup
- Bandwidth-on-demand (automatically switches between 64Kb/s and 128Kb/s)
- Direct ISDN Dial-up LAN-to-LAN connectivity (to another ISDN site) and VPN
- Remote 'teleworker' direct dial-in access to your LAN (from a remote ISDN line)
- Remote activation of Internet dial-up

Router Management

- Web-based User Interface
- Command Line Interface (Telnet)
- Telnet Remote Access Support
- SNMP Agent with MIB-II
- Built-in Diagnostic Function
- Remote Firmware Upgrade
- Quick Start Wizard
- Syslog Monitoring



| Technical Specifications | | | V2900G | V2900Gi | V2900i | V2900 |
|--------------------------|---|--|--------|---------|--------|-------|
| Hardware Interface | LAN | 4-port 10/100 BaseTX Switch with VLAN | Yes | Yes | Yes | Yes |
| | WAN | One 10/100 BaseTX port with a RJ-45 connector | Yes | Yes | Yes | Yes |
| | Printer | USB port for connecting to USB printer | Yes | Yes | Yes | Yes |
| | ISDN | Euro DSS1, RJ-45 BRI(S/T types, 2B+D) | --- | Yes | Yes | --- |
| | WLAN | IEEE 802.11b/11g | Yes | Yes | --- | --- |
| WAN Protocol | PPPoE, DHCP, PPTP, Static IP | | Yes | Yes | Yes | Yes |
| NAT | Multi-NAT, DMZ, Port Redirection, Open Ports, Pass-thru (VPN, VoIP, NetMeeting, MSN messenger, ICQ, Quake...etc.) | | Yes | Yes | Yes | Yes |
| Firewall Features | Access Control, IP-based Packet Filtering, Stateful Packet Inspection, Denial of Service Prevention | | Yes | Yes | Yes | Yes |
| Virtual Private Network | IKE Key Management, IPSec, PPTP, L2TP, L2TP over IPSec | | Yes | Yes | Yes | Yes |
| | Hardware-based DES/3DES Encryption; AES Encryption | | Yes | Yes | Yes | Yes |
| | MPPE Encryption for PPTP; IPSec Authentication (MD5 and SHA-1) | | Yes | Yes | Yes | Yes |
| | Remote Access VPN; VPN Pass Through; Up to 32 tunnels; RADIUS Support | | Yes | Yes | Yes | Yes |
| Routing Support | RIPv2, Configurable Static Route | | Yes | Yes | Yes | Yes |
| Network Features | DHCP server/relay, Dynamic DNS, Call Scheduling, RADIUS Client | | Yes | Yes | Yes | Yes |
| Traffic Management | Guaranteed Bandwidth, Maximum Bandwidth Limitation | | Yes | Yes | Yes | Yes |
| | Eight Priority Levels Support, DiffServ Codepoint marking Support | | Yes | Yes | Yes | Yes |
| URL Filtering | URL Blocking with Exception Handling; Java/ActiveX/Cookies/proxy Blocking; Executable/Compressed/multimedia file Blocking; URL Blocking by User-defined Keywords; Time schedule Support | | Yes | Yes | Yes | Yes |
| Management | Time Schedule Support; Web-based User Interface | | Yes | Yes | Yes | Yes |
| | Command Line Interface (Telnet) | | Yes | Yes | Yes | Yes |
| | Telnet Remote Access Support; SNMP Agent with MIB-II | | Yes | Yes | Yes | Yes |
| | Built-in Diagnostic Function; Remote Firmware Upgrade | | Yes | Yes | Yes | Yes |
| | Quick Start Wizard; Syslog Monitoring; Attack Alert by E-mail | | Yes | Yes | Yes | Yes |
| | Secure Remote management | | Yes | Yes | Yes | Yes |
| ISDN Features | ITU-T I.430 Compliant for Layer 1; Dial on Demand | | --- | Yes | Yes | --- |
| | Bandwidth on Demand; Dual ISP Support; Remote Dial-in Access | | --- | Yes | Yes | --- |
| | LAN-to-LAN Connectivity; Virtual TA; Remote Activation; Blocking Number for Security | | --- | Yes | Yes | --- |
| | PPP/MP Protocol; PPP over V.110 for GSM Dial-in Access | | --- | Yes | Yes | --- |
| WLAN Access Point | Regulatory approval Security | EN60950/55022/301489-17/ETSI-300328-2 | Yes | Yes | --- | --- |
| | | 64/128-bit WEP | Yes | Yes | --- | --- |
| | | 802.1x; WPA | Yes | Yes | --- | --- |
| | | VPN over WLAN | Yes | Yes | --- | --- |
| | | SSID stealthing | Yes | Yes | --- | --- |
| | Access Control | MAC address locking | Yes | Yes | --- | --- |
| Transmission Rate | IEEE802.11g and 11b backward compatibility | Yes | Yes | --- | --- | |
| Max. Power Consumption | 10 Watt | Operating temperature: 0° to 45° C (32° to 113° F) | | | | |
| Dimension (cm) | L22.0*W16.0*H3.67 | Operating humidity: 90% maximum relative humidity, noncondensing | | | | |
| Power | AC 9V | | | | | |

