

# WS/21 Matrix

## *Multi-Role VPN Gateway*

### Communicate through the air

As the popularity of the Broadband Internet environment grows, so too does the demand for resource sharing; The simple broadband IP sharing router is unable to meet users' increasing demands. More functions and features are required. The WS/21 Matrix is designed and produced to meet these requirements. Not only is it a wireless-G AP router with VPN/Firewall capability, but also comes with the ability to connect with several USB devices via its 4 USB 2.0 ports to support a wide range of applications. It also features a built-in Print Server, Web Cam Server and FTP Server, making it a uniquely powerful resource-sharing device.

The WS/21 Matrix uses state of the art encryption based on a combination of AES and 802.11i+ plus traditional support for : WEP128 and WEP152 encryption as well as the Stateful-Inspection-Firewall in DSL Router mode that will protect the network reliably. Furthermore, the WS/21 Matrix working with Access-Control-Lists, authentication after IEEE 802.1x and as RADIUS Client assures the control and protection of your Wireless LAN. Management and supervision of these security-features are made easy and comfortable with the help of LANtools (LANconfig / LANmonitor).

### Security (Firewall / IPSec VPN / PPTP VPN)

The WS/21 Matrix is a well-armed wireless AP router designed for both home and business users. It protects your data securely behind its built-in firewall and supports VPNs for secure communication over the internet. Firewall features included true SPI firewall, Denial of Service (DoS) protection, Access control. The IPSec VPN capability provides secure 3DES encryption to allow establishment of wireless and wired. VPN tunnels between with a capacity of up to 100 concurrent tunnels. It also supports PPTP VPN connections with up to 10 concurrent PPTP VPN tunnels.



### Content Filtering

Parents or system administrators can establish and enforce acceptable Internet access policies. Content filtering enables the blocking of certain websites and content, and enables the monitoring and controlling of users web access.

### P2P QoS Bandwidth Control

Have you ever suffered from a bandwidth problem when one of the LAN users is using bandwidth-thirsty P2P download applications? QoS (Quality of Service) bandwidth management provides the total solution to this problem. By assigning pre-defined bandwidth values to specific applications according to their level of importance, you are in complete control and can efficiently manage the allocation bandwidth over your broadband connection.

## FEATURES:

- Built-in Firewall
- Software-based VPN
- P2P QoS Bandwidth Management
- 4 \* USB 2.0 Ports for connection with Printers, Web Cam, USB HDD, USB Flash Drive, MP3 Player, USB MediaReader, Digital Camera

# Wireless & Security

## WS/21 Matrix SPECIFICATIONS

### • HARDWARE SPECIFICATIONS:

- Processor: MIPS 170MHz Brecis 2006 CPU
- Memory: 8MB Flash, 32MB SDRAM
- Power: 100~240 VAC
- Dimensions: H: 30mm W: 240mm D: • 145mm

### • WIRELESS STANDARD:

- 54Mbps IEEE 802.11g (Intersil 3880IK)
- Wireless Data rate 1-54Mbps
- Transmission Rate:
- OFDM: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- CCK: 5.5, 11 Mbps
- DSSS: 1, 2 Mbps
- Operating Channels
- CH1~CH11 (2.412GH~2.462GHz) FCC
- CH1~CH13 (2.412GHz~2.472GHz) ETSI
- CH1~CH14 (2.412GHz~2.483GHz) TELEC

### • PHYSICAL INTERFACES:

- WAN Port: 1 \* 10/100 Base-T Ethernet RJ45 port,
- LAN Ports: 4 \* 10/100 Base-T Ethernet RJ45 port,
- 4 \* USB 2.0 ports for connecting with USB HDD/USB Flash Drive/MP3 Player/Web
- Cam/Printer/USB card Reader/Digital Camera
- Wireless detachable antenna

### • ADVANCED FEATURES:

- Built-in Print Server
- Built-in FTP Server
- Built-in Web Cam Server
- DHCP Server
- Mail Monitoring
- QoS Bandwidth Management
- VPN
- Firewall
- DDNS
- Virtual Server

### • SECURITY FEATURES:

- Software-Based VPN (IPSec VPN/PPTP VPN)
- 100 \* IPSec tunnels / 10 \* PPTP tunnels
- 64/128-bit WEP Encryption Firewall
- Denial of Service (DoS)
- Stateful Packet Inspection (SPI)
- 8Access Control
- Real Time Log
- True Content Filtering
- Keyword Filtering
- URL Filtering
- IP Filtering
- Up to 20 PPTP server tunnels
- Up to 5 Mbps RC4 throughput

### • MANAGEMENT AND MAINTENANCE:

- Web-based management
- Firmware upgrade
- Clock
- Static Route
- Ping
- Log

### • CONNECTION TYPE:

- DHCP
- Static
- PPPoE
- PPTP
- Telstra BigPond
- L2TP

### • ENVIRONMENTAL SPECIFICATIONS:

- Operating Temp: 0°C to 55°C;
- Storing Temperature : -20°C ~ 70°C
- Operating Humidity: 90% max relative non-condensing

### • EMI/EMC COMPLIANCE:

- Comply with FCC part 15, subpart J
- Class B CISPR/FCC
- Comply with CE/EM