

Preconfigured Audio/Video Bridging System

pakedgedevice&software inc.

RSB-KIT

Gateway Security Appliance (Router) with Rack Mount Bracket and VLAN switch

The popularity and affordability of IP networking has driven audio/video and controls networks to share the same physical wire with computer networks. However, unlike computer data that can tolerate a certain degree of unpredictable latency, video streaming, audio streaming, and control systems cannot. These sophisticated networks require the same robustness as an enterprise network to ensure the packets that carry audio and video arrive in time and that IP-based controls do not lose critical command packets.

The Pakedge Audio-Video Bridging (AVB) line of products is designed to solve these issues with minimum configuration. The Pakedge solution pre-configures the Security Appliance (Router) and switch, dividing the network into 4 separate subnets (VLANs) to manage traffic, broadcast, and priority for all devices based on color coded ports. The simplicity of Pakedge's solution allows custom installers to focus on quick, quality installations without enterprise configuration worries.



Key Benefits:

- Preconfigured Enterprise-Class VLAN "out-of-the-box" solution at a fraction of the Cost
- Color Coded Ports for AV devices, Controls and Computers for simple fast installations
- Integrated Pakedge Quality-of-Service, QoS to ensure jitter-free audio video streaming
- Stackable with additional Pakedge switches for the largest of systems
- AV Rack mountable- Clean Face, Fanless and cables from the back
- Flexible with unlimited customizations with an Advanced Setting login (additional support offered by Fortinet if needed)
- Internet Gateway Security with annual Antivirus/Antispam and Intrusion Prevention Service (IPS) subscriptions

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Product Overview

RT-50V – Audio-Video Bridging Router

- Preconfigured to separate network into 4 separate sub-nets (VLANs) to prevent broadcast issues between sub-systems such as VOIP phones, video streaming, home automation controls, and computer data
- Robust, reliable, high performance, versatile, enterprise-grade security appliance based on Application Specific Integrated Circuit (ASIC) design
- Vendor advanced support subscription available with antivirus, anti-spam, and Intrusion Prevention Service
- Dual WAN interfaces supports redundancy and load balancing
- 3 Internal Switch Ports
- Unrestricted number of users
- Up to 20 VPN tunnels



SW8-GBV – Audio-Video Bridging Switch

- 8 fixed 10/100/1000Mbps Gigabit Ethernet ports
- One SFP port for optional fiber connection
- VLAN IP range printed for each color coded port
- QoS also color coded for priority to Internet
- Store-and-forward forwarding scheme
- Error packet filtering
- FCC Class A, CE, VCCI. Meets RoHS



RMB-FG – Router Rack-mount Bracket

- Simple installation, all mounting hardware included
- Fits the router and power supply for the RT-50
- Fits standard 19" 1U AV rack
- Clean front face with cables that exit from the back

PAKEDGE RSB-KIT

Preconfigured Audio/Video Bridging System

Specifications

RT-50V:

HARDWARE SPECIFICATIONS

LAN / WAN / DMZ interfaces 3 / 2 / NA

NETWORKING FEATURES

DHCP/PPPoE Client/Server

1:1 NAT

Static/Dynamic Routing*

Traffic shaping

Radius, LDAP, Active Dir

Local DB

User group support

SYSTEM PERFORMANCE

Firewall/VPN 3DES 50/48 Mbps

Concurrent sessions 25

New sessions/second 2

Site-site IPSec VPN tunnels 20

Antivirus throughput 19

SECURITY FEATURES

Gateway antivirus protection

(virus, spyware, Trojan)

Integrated IPS (signature & anomaly)

Integrated URL filtering

Integrated spam filtering

VPN (IPSec, SSL, PPTP)

VOIP Security (H323, SIP)

MECHANICAL

Dimensions (dimensions are approximate)

Router: 8.5" x 6" x 1.5", L x W x H

Power Supply: 4.5" x 2.5" x 1.5" L x W x H

Optional: Rackmount Bracket -

19" x 8" x 1.75" L x W x H

OPTIONAL SUBSCRIPTION SERVICES

Automatic and scheduled

Antivirus and IPS updates

URL categorizing

Anti-spam RBL/SURBL

CERTIFICATIONS

ICSA: Firewall, IPSec, SSL, Antivirus, IPS

COMPLIANCE

FCC Class A, Part 15, UL/CUL, C Tick, CE, VCCI

POWER REQUIREMENTS

120/240 VAC 50/60 Hz

ENVIRONMENTAL

Temperature Range:

Operating: -10°C to 50°C (14°F to 132°F)

Storage: -40°C to 70°C (-40°F to 158°F)

Humidity: 5% ~ 95% typical

SW8-GBV

STANDARD

IEEE802.3 10BASE-T

IEEE802.3u 100BASE-TX

IEEE802.3x full-duplex operation and flow control

IEEE802.3ab/z 1000BASE-T

IEEE802.1Q VLAN interoperability

IEEE802.1p Priority Operation

INTERFACE

8 x 10/100/1000Mbps auto MDI/MDI-X RJ-45

switching ports

1 x SFP (mini-GBIC) port

1 x Restore Default Button

CABLE CONNECTIONS

RJ-45 (10BASE-T): Category 3,4,5 UTP/STP

RJ-45 (100BASE-TX): Category 5 UTP/STP

RJ-45 (1000BASE-T): Category 5,5e or enhanced

UTP/STP

Fiber: depends on Mini-GBIC types

NETWORK DATA RATE

10/100/1000Mbps Auto-negotiation

TRANSMISSION MODE

10/100Mbps Full-duplex, Half-duplex

1000Mbps Full-duplex

LED INDICATIONS

System Power , Cat5e Port 1000M, 10/100M

MEMORY

8K MAC entries

180K Buffer Memory

9K Byte Jumbo Frame

EMISSION

FCC Class A, CE, VCCI, RoHS

OPERATING TEMPERATURE

0° ~ 40°C (32° ~ 104°F)

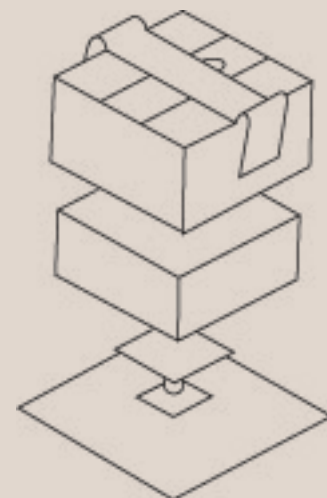
OPERATING HUMIDITY

10% - 90% (non-condensing)

POWER SUPPLY

Internal power supply

100-240V/ 50-60Hz universal input



Contact us with any questions or to order.

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