

RS965 Embedded RADIUS Server Series

Significant enhancements to EAP support, including: MD5, TLS, TTLS and PEAP authentication methods.



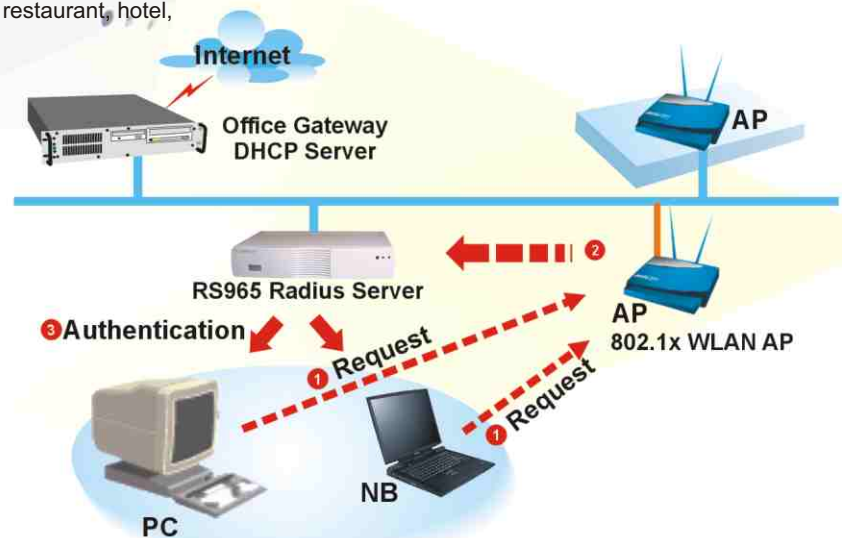
Wireless LANs represent a powerful way to leverage current computer and networking technology. The big concern, however, remains security. How do you gain the benefits of reach without wiring, and lots of happy end users without risking your network assets? Coventive's RS965 are innovative WLAN security solutions for the enterprise provide strong security to protect your network, and are easily deployed and managed.

The growing range of 802.1x wireless authentication protocols with dynamic WEP keys enables operators to provide much higher security levels than were previously possible. RS965 Radius Server series is a 802.1x WLAN security solution which supports IEEE 802.1x security port based authentication protocol that can be easily and widely deployed on a network for home/SOHO/enterprise/ISP or used in densely populated office spaces, security-sensitive areas (R&D departments, financial institutions, etc.) and public "hotspots" such as restaurant, hotel, coffeehouses.

Coventive's RS965 are 802.1X standard-based wireless LAN authentication and security solutions for managing user access in enterprise and public hotspot networks. Those solutions ensures strong security over the wireless link.

In order to support wireless deployments in organizations that desire a password-based scheme, RS965 series support EAP-TTLS and EAP-PEAP protocols which provide secure password-based authentication, allowing your subscribers to safely connect with password credentials, without danger of dictionary attack.

RS965 now provide support for more types of EAP (Extensible Authentication Protocol), including EAP-MD5, EAP-TLS, EAP-TTLS, PEAP. A mixture of protocols and authentication methods can now be easily supported.



RS965

RADIUS Server Series

Features:

- ◆ Supports IEEE 802.1x WLAN Security Standard
- ◆ Complies with RFCs 2138, 2139, 2548, 2619, 2621, 2865, 2866, 2868, 2869
- ◆ Supports EAP TLS in accordance with RFC's 2716 and 2246
- ◆ Supports EAP MD5-Challenge and One-Time-Password in accordance with RFC 2284
- ◆ Supports PEAP in accordance with draft-josefsson-pppext-eap-tls-eap-05.txt
- ◆ Supports EAP TTLS (TTLS-PAP, TTLS-CHAP, TTLS-MSCHAP and TTLS-MSCHAPV2) as per draft-ietf-pppext-eap-ttls-02.txt
- ◆ Use RS965 as RADIUS server: an end-to-end 802.1x security authentication server that lets users securely connect to WLANs
- ◆ Use RS965 as proxy RADIUS server : consult a remote RADIUS server to validate a user.
- ◆ Dedicated RADIUS proxy forwards authentication to different RADIUS servers based on realm.
- ◆ Support for the following EAP authentication methods:
 - **EAP-MD5**
 - **EAP-TLS** (Transport Layer Security)
 - **EAP-PEAP** (Protected EAP)
 - **EAP-TTLS** (Tunneled Transport Layer Security)
- ◆ Easy management: web-based server administration
- ◆ Default with 200 sets of username and password access accounts. With expandable user data base accounts
- ◆ Flexibly accommodates your network today, and easily scales to meet future requirements.
- ◆ Easy integration into existing environment
- ◆ Ensure compatibility in your network environment. It is compatible with a wide variety of 802.1x-capable WLAN access points: including Cisco, Lucent Avaya and 3Com, etc.
- ◆ Tested against Windows XP supplicant

Product Overview :

Hardware Specification

Model	RS965
CPU	Toshiba 4925 MIPS processor 200MHz
Memory	RAM : SDRAM 64MB ROM : FROM 16MB
10/100 LAN port	RJ45 x 1
LED Indicator	Power LED x1 Ethernet Status LED x 1
Power :	AC Adapter Input : 100-240 VAC, 0.7 A Output : 5VDC, 5.0 A Frequency : 50-60 Hz
Physical	Height 42 mm
Dimensions :	Width 220 mm Depth 170 mm
Accessory	AC Adapter User Manual

Software Specification

OS	Linux kernel
NETWORK	IP Address Setting: Default IP address, or static assignment by ifconfig
Application	Web-based Management Interface RADIUS Server

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