Enterprise VoIP Solutions

Ranch Network's multi-function RN Series enables Enterprises to simply and reliably overcome the security and voice quality issues of deploying VoIP.

With Ranch Networks RN Series, installing VoIP no longer has to mean costly network re-engineering or opening up data networks to further security risks. The RN Series per-call firewall control and per-call bandwidth allocation helps enterprises deliver secure and high quality VoIP through a reliable appliance.

Per-Call Security and Bandwidth

The RN Series dynamically allocates network resources and adapts network security based on the real-time requirements of an IP PBX.

This includes per-call security and per-call bandwidth allocation, providing improved security, high quality voice, and more efficient use of your existing network. Ranch products are compatible with any signaling protocol (such as SIP, H.323, and MGCP) and with encrypted signaling, which secures any data that might be in the signaling stream such as customer credit card numbers.

DOS Protection

Unlike traditional PBXs, a Denial of Service attack on an IP PBX can effectively isolate an IP PBX or in worst cases bring it down.

The RN Series, through its use of multiple secure zones and rate limiting, can protect your IP PBX and Media Gateways from attack and ensure continued operation.

Simplified Deployment

Ranch Network's *Patent-Pending* Split-Subnetting allows for the separation of Voice and Data traffic into multiple secure zones without the need to reconfigure Host IP Addresses, simplifying VoIP deployment.

Reliability

The greater the number of components in a network, the more likely a failure. Cables, connectors, power supplies, fans and electronic components are all prone to failure. Ranch Network's single device approach to VoIP security and quality reduces these components and improves reliability.

To further increase reliability, Ranch Networks RN Series includes a number of built in high-reliability features, including link, port and fan redundancy. Optional features include power and unit redundancy.

Deployment Example
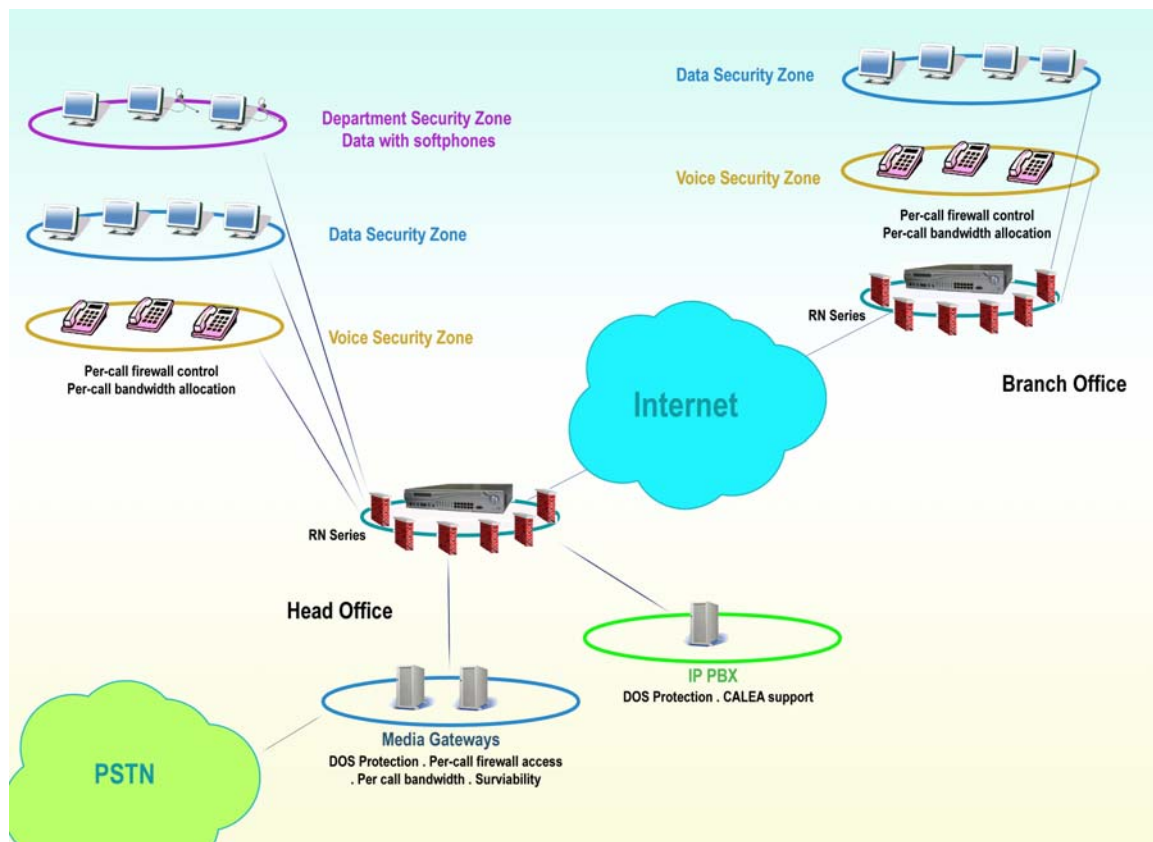
RN VoIP Features

- Per-Call Firewall Control

- Per-Call Bandwidth Allocation and QOS

- NAT Traversal

- CALEA Support

- Encrypted Signaling and Media Support

- Compatible with any Signaling Protocol

- IP PBX Denial of Service Protection

- WAN failover to back-up gateway for local survivability

- Adjunct Systems Health Monitoring

- Preservation of location-specific IP addresses

- Network Call Usage Reporting

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Security and Networking Innovation