

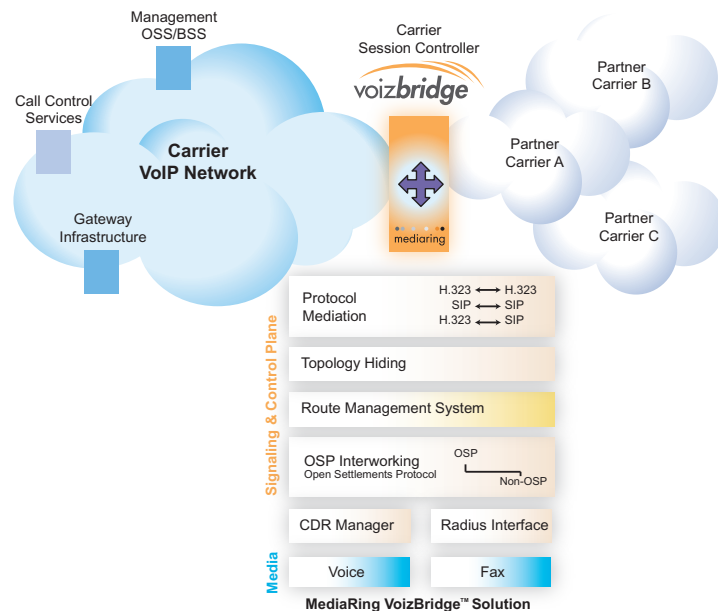


A carrier-class Session Controller Solution, that is unmatched in value, versatility and performance

With recent advances in technology and the abundance of IP bandwidth, the prospect of sending voice over IP networks creates amazing potential for carriers and end users. The advantages of carrying voice over IP include efficiencies of combined voice/data over one network, reduced interconnect tariff costs, bandwidth savings, advanced IP-based services and savings on infrastructure and support costs. As carriers transition their voice networks to VoIP, they are faced with issues of network security, scalability and protocol inter-working of one IP network to another IP network.

MediaRing's VoizBridge is a proven carrier-class software platform that provides carriers with a cost-effective, flexible and secured means to peer with other H.323 and SIP networks.

VoizBridge supports flexible internetworking between Cisco, Clarent, VocalTec and other H.323 gateways, gatekeepers and softswitches. This protects carriers' investment in legacy VoIP gateways while opening the opportunity to expand with new gateway providers. It also offers carriers the flexibility in peering partners who may have a variety of gateways.



VoizBridge enables a graceful migration from H.323 to SIP, by providing H.323 to SIP translation capabilities, so that calls from a SIP source can be terminated on any existing H.323 network. This allows carriers to slowly upgrade their VoIP network as needed, while maximising their return on investment in H.323 gateway equipment.

VoizBridge implements IP masking for both media and signaling packets to hide network topology. Carriers can also administer strict call control over their networks using VoizBridge's device access authentication and access lists. VoizBridge's ability to provide VoIP security becomes critical when carriers start offering services to the enterprise and consumer market.

VoizBridge also features centralized collection of call details records with RADIUS support, interoperability with Open Settlement Protocol (OSP) Server, comprehensive call routing rules for optimal route selection, easy-to-use web-based GUI for configuration management, failover and redundant configurations.

Features & Specifications

Multi-Vendor Interoperability	<ul style="list-style-type: none"> Interoperable with multiple equipment brands, including: Cisco, Clarent, Vocaltec, Nuera, HP OCMC, Sonus, Quintum, NetSpeak, Huawei
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Multiple Protocol Interworking	<ul style="list-style-type: none"> Seamless inter-working with different versions of H.323 and SIP, as well as between H.323 and SIP SIP Protocol Support <ul style="list-style-type: none"> RFC 2543 Session Initiation Protocol RFC 3261 Session Initiation Protocol RFC 3264 An Offer/Answer Model With Session Description Protocol RFC 2327 Session Description Protocol RFC 2976 SIP INFO Method RFC 768 User Datagram Protocol RFC 793 Transmission Control Protocol Session Timer Support – draft-ietf-sip-session-timer Work with SIP Proxy, Record Route Proxy, SIP Registrars Operation mode: Back-to-back User Agent H.323 Protocol Support <ul style="list-style-type: none"> H323 version 2 & H323 version 4 Faststart & Normal Start H245 Tunneling on/off RAS support Gatekeeper routed call Interoperability with Clarent Gatekeeper H.323 - SIP IWF Modes (Voice and Fax) <ul style="list-style-type: none"> SIP - SIP SIP – H323 H323 – SIP H323 – H323 DTMF Support <ul style="list-style-type: none"> Inband/Out of band/ RFC 2833
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OSP Interoperability	<ul style="list-style-type: none"> Integrated standards based OSP client - interoperable with TransNexus OSP Server and AT&T OSP Server OSP inter-working function facilitating connectivity between: <ul style="list-style-type: none"> Multiple OSP networks OSP and non-OSP networks
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NAT & Topology Hiding	<ul style="list-style-type: none"> Capability to interconnect between multiple private or public network domain configurations Network Address Translation for both Voice and Signaling packets. Selective bypass of Media Router Source number masking - provides a single source number for a destination network. Limits identity exposure of partner carriers
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Media Processing	<ul style="list-style-type: none"> • Audio Codec: G.711, G.723.1, G.729 • Fax: T.38, Cisco Fax
Digit Manipulation & Number Translation	<ul style="list-style-type: none"> • Flexibility to translate portion of E.164 phone number for rule-mapping • Capability to add/delete/insert digits/prefixes
Network Access Control & Security	<ul style="list-style-type: none"> • Strict enforcement of Access Control Lists to avoid unauthorized network use • ACL configurable based on IP Address • Automatic port closures when idle to prevent hacker attacks • Conforming to CERT Advisory CA-2003-06 - not vulnerable
Session Routing & Admission Control	<ul style="list-style-type: none"> • Centralized control of call routing decisions using one of the following: MediaRing's integrated Route Management System OSP Server via OSP Protocol Standards based H.323 Gatekeeper using RAS Standards based SIP Proxy
Configuration	<ul style="list-style-type: none"> • Web-based graphical user interface • Command Line Interface using Telnet (SSH) • Centralized provisioning & data repository for multi-VoizBridge networks
Accounting	<ul style="list-style-type: none"> • Accurate Call Detail Record generation for billing purposes using: Using Transaction Logs (Daily or configurable frequency) RADIUS Interface with support for multiple RADIUS servers
Network Management	<ul style="list-style-type: none"> • SNMPv2 • Graceful shut-down • Auto start-up
High Availability	<ul style="list-style-type: none"> • Redundancy and Failover configurations available • Load Balancing • Multiple Media Router support with Failover and Load Balancing
Platform	<ul style="list-style-type: none"> • Sun Solaris OS Ver 5.7, 5.8 • RedHat Linux AS

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