



# AVAYA

The Power of We™

## Avaya Media Gateways

The Converged Infrastructure portfolio extends the power of converged networks across your enterprise to help you triumph over the bottom-line realities of business: the need to drive revenue, reduce costs, redeploy resources and serve customers better every day.

Communication equals a competitive advantage. Today's enterprise is changing. As organizations enter new markets, open branches closer to customers and introduce remote work options, they become increasingly distributed and mobile. Yet more than ever they must run lean while gaining full value from every resource.



Avaya S8300 Server with an Avaya G450 Gateway

The Avaya Converged Infrastructure is designed to build on your existing communication investments and deliver the availability and security you require. So your enterprise can pursue opportunities freely, and maximize the effectiveness of people and processes.

With an Avaya Converged Infrastructure solution you receive the all the benefits of Avaya innovation. This modular architecture of servers brings Avaya Aura® Communication Manager call processing and control through a distributed network of gateways, to adapt to your enterprise's needs. This software delivers uniform telephony services to headquarters, branch locations and mobile users all across your enterprise. Here is a cost-effective, reliable and highly flexible telephony solution -

networked and based on open-standards - for one location or multiple sites, regardless of scale or distance.

Now you can choose your own path to convergence, at your own pace. . . with confidence.

### Avaya Gateways

Designed to extend the power of Avaya Aura Communication Manager to all users in the enterprise, Avaya Gateways address your need for converged solutions that support both TDM and IP telephony environments by seamlessly integrating traditional circuit-switched and IP-switched interfaces.



This gives your enterprise great flexibility to adapt to changing business needs. Avaya Gateways allow your organization to evolve easily from TDM-based telephony to the next generation of IP infrastructures, including those based on the open SIP (Session Initiation Protocol) standard.

Avaya Gateways are available in compact standalone, stackable, and chassis-based configurations that support analog, digital, IP PoE, LAN, and WAN interfaces. They are optimized for blended TDM/IP and all IP environments in distributed enterprises, small remote offices and large campus environments with thousands of users.

## Key Features

- Interoperable with standards-based data networks to provide maximum flexibility and reduce total cost of ownership
- Survivability features and options that allow gateways to continue operating even if the primary server fails or in the event a WAN failure affects communications between the gateway and the server.
- Support multi-protocol environments, maximizing investment protection for enterprises that require concurrent support of TDM and IP-based telephony
- Redundant system and network options that support high-availability configurations for both TDM and IP-based solutions
- Designed for distributed networked telephony, extending the benefits of Avaya Aura Communication Manager to all enterprise users regardless of location
- Connectivity across any public or private network using a variety of interface options over TDM, ATM, Ethernet, Frame Relay, or PPP
- High-density 19" rack-mountable systems that support high-availability IP Connect upgrades from Avaya DEFINITY® PBX/servers

## Avaya G430 Gateway



The G430 Gateway is the ideal solution for low and midsize branches, either standalone or networked

gateway linked to a central Avaya Server. The G430 Gateway is designed for growth. Additional expansion modules can be deployed in a single site. The G430 modular design supports scalability of DSP resources and slots. The G430 has several survivability options, such as LSP or SLS, which maintain operations in the event a WAN failure affects connectivity to the centrally located server. For mid-sized enterprises, an installed S8300 Server working with single G430 Gateway serves as a primary call controller for call centers up to 80 agents, or as a business communications system for up to 150 users.

## Avaya G450 Gateway

The G450 Gateway is perfect for medium to large branch office locations or campus environments. The G450 Gateway is designed for growth. Multiple gateways can be deployed in a single site. The G450 modular design supports scalability of DSP resources and power and delivers superior capacity, availability and serviceability. The G450 has several survivability options, such as LSP or SLS, which maintain operations in the event a WAN failure affects connectivity to the centrally located server. For mid-sized enterprises, an installed S8300 Server working with the G450 Gateway can support up to 450 users. An external Avaya Aura Solution for Midsize Enterprise, working with G450 gateways, can support up to 2,400 users.

	<b>G430 Gateway</b>	<b>G450 Gateway</b>	<b>G650 Gateway</b>	<b>AudioCodes Mediant 3000 Trunk Gateway</b>
<b>Call Controller Support</b>	External via S8300, and S8800 Servers Internal via S8300 Server	External via S8300, and S8800 Servers Internal via S8300 Server	External via and S8800	External via S8800
<b>Expansion</b>	3 Module slots (up to 7 slots with EM200 expansion modules)	8 Module slots	14 Universal TN-based slots	4 Media Module slots
<b>Scalability</b>	Up to 152 IP endpoints Up to 150 analog or digital endpoints	Up to 450 IP endpoints Up to 192 analog or digital endpoints	Up to 5 units within a port network	Up to 2016 channels (DS-3 trunks)
<b>Telephone Compatibility</b>	6200/2500 Series Analog Phones 2400/9400 Digital Phones Avaya 4600, 9600 and 1600 Series IP Telephones Avaya one-X Communicator	6200/2500 Series Analog Phones 2400/9400 Digital Phones Avaya 4600, 9600 and 1600 Series IP Telephones Avaya one-X Communicator	6200/2500 Series Analog Phones 2400/9400 Digital Phones Avaya 4600, 9600 and 1600 Series IP Telephones Avaya one-X Communicator	N/A (supports trunks only)
<b>Trunk Support</b>	Analog ISDN BRI/PRI T1/E1 IP (H.323 or SIP)	Analog ISDN BRI/PRI T1/E1 Gigabit Ethernet IP (H.323 or SIP)	Analog ISDN BRI/PRI T1/E1 ATM IP (H.323 or SIP)	DS-3, OC-3 and IP (SIP only)
<b>Form Factor</b>	19" rack mounted 1.5U high	19" rack mounted 3U high	19" rack mounted 8U high	19" rack mounted, 2U high

## Avaya G650 Gateway



The G650 Gateway is the system of choice for large-scale enterprise communications and call centers. The G650 offers the features, scalability, and system uptime required for mission-critical applications. The G650 can accommodate a range of analog, digital, ISDN, and IP (over the LAN) phone station configurations, with voice transport options over IP, analog, TDM, or ATM. Available dual redundant, load-

sharing power supplies with AC/DC inputs provide enhanced system reliability. Up to five G650 Gateways can be combined to form a high-capacity port network that can be integrated into many existing telephony networks, supporting voice connectivity platform. The G650 is supported by Avaya Aura® as a large enterprise or midmarket solution.

## AudioCodes Mediant 3000 Trunk Gateway

The Mediant 3000 offers exceptional channel scalability, ideal for wireline, cable, cellular and mixed service providers migrating to a decentralized IP network. The Mediant 3000 has

comprehensive PSTN access capabilities as well as SIP to SIP interworking features that enable the interconnection between multi-vendor, and mixed legacy and IP-enabled networks. In addition to T1 interfaces, the Mediant 3000 supports high-density PSTN interfaces, such as T3, and OC3 to help enterprises lower PSTN lease costs. The proven interoperability of the Mediant 3000 with different PBXs and PSTN switches facilitates smooth deployment. System management is via EMS (Element Management System) or through a web-based interface. It can display and record DS3 system alarms, and report on many trunk usage measurements that are collected.



## Maximize converged network investments with Avaya Global Services

Avaya Global Services offers a single point of accountability to design, build, and manage multi-vendor communications networks worldwide. From needs assessment to business continuity planning, from integration to maintenance and management, Avaya Global Services can help you do more than ever before, with less than ever before. Plus, we provide a single point of accountability for voice and data convergence in multi-vendor environments, providing you with the confidence and ability to reap business results at your own pace.

### Learn More

To learn more about Avaya Media Gateways, contact your Avaya Account Manager or Avaya Authorized Partner. Or, visit us online at [www.avaya.com](http://www.avaya.com).

### Avaya and Partner Supported Services

**Enablement Services:** Avaya and partners can plan, design, configure, and deploy solutions and upgrades - as well as test, train and align users with the right capabilities and knowledge and leverage metrics to increase returns.

**Optimization Services:** drives planning, design and delivery to ensure peak performance, quality of experience, compliance to security standards and testing with Network Readiness Assessments; Performance Monitoring; Security Assurance; Solution Architecture and Stress Testing Services.

**Innovation Services:** realize solution benefits faster with a clear path to business goals showing how initial savings can pay for subsequent deployments. SIP Transformation Services proves ROI for business justification via in-depth discovery and analysis of current communications framework.

**Support Advantage:** comprehensive 24X7 technical support and service monitoring mitigates outage risks, and speeds issue resolution to ensure optimal operations.

**Onsite Support:** ensures highly-skilled technicians are dispatched for onsite support including part replacement.

**Release Management:** software management for patches and updates. Includes risk management, integration testing, update identification, scheduling and implementation coordination into your production environment.

**Enhanced Monitoring:** provides ITIL aligned support and monitoring. Real-time view of core applications enhancing management capabilities of your communications environment.

**Upgrade Advantage:** achieve significant savings and access to product innovation with subscription-based software upgrades.

**Communications Outsourcing Solutions:** offers an easier way to customize standard managed services with options including SLAs with remediation, flexible OPEX and CaPEX solutions and support for Avaya and multi vendor support.

### About Avaya

Avaya is a global provider of business collaboration and communications solutions, providing unified communications, contact centers, networking and related services to companies of all sizes around the world. For more information please visit [www.avaya.com](http://www.avaya.com).