

Avaya B5800 Branch Gateway

A flexible, cost-effective collaborative solution that delivers communications survivability for the enterprise branch environment. Ideal for customers wanting applications deployed from head office or the branch itself, Avaya B5800 Branch Gateway enables the branch operation to deliver the communications and collaboration tools it specifically needs—driving greater productivity and customer responsiveness while reducing total cost of ownership with Avaya Aura®.



AVAYA B5800 BRANCH GATEWAY AT A GLANCE

- Supports distributed, centralized or mixed deployment
- Individual user requirements determine features and applications—not location
- Pace architectural changes to business, network and branch needs
- Centralized Avaya Aura® applications and network management deliver 25–30% lower TCO*
- Leverage investments in digital, analog, IP, SIP and mobile clients

Productivity and effectiveness at the point of customer contact—i.e., the local branch—are critical in today's extended enterprise. That's why delivering collaborative communications across a branch infrastructure is such a challenge:

- What's the best deployment architecture: distributed or centralized?
- Is there a way to be distributed AND leverage the savings of centralization?
- How can we cost-effectively provide basic telephony for some people and robust collaboration for others?
- What solution can be best integrated into our existing portfolio?

Avaya B5800 Branch Gateway addresses these and other challenges: it's a single-platform solution with multiple deployment options that enables seamless, user-centric access to Avaya Aura® unified communications, applications and services including Avaya Aura® Messaging, Avaya Aura® Conferencing, Avaya Aura® Presence services and much more. It's complementary to any existing networking solution, adding communications and collaboration functionality in a "thin" device designed for branch use.

Take advantage of mobility, messaging, conferencing, auto-attendant, IVR, software clients and more, while leveraging familiar key-system features, providing an easy transition to advanced features.

*Savings reported in this document are based on Avaya internal research.

Built for the branch

Avaya B5800 Branch Gateway goes beyond traditional, one-size-fits-all branch solutions. Instead, it takes account of your unique branch requirements, the state of your enterprise network, your budget considerations, the needs of your individual branch employees—letting you adapt to rapidly changing branch communication demands that stress the organization and infrastructure.

With flexibility that is ideal for customers wanting applications deployed in customer data centers and/or in the branch itself, the Avaya B5800 Branch Gateway enables the branch to cost effectively deliver the range of communication tools it specifically needs (basic telephony to robust collaboration) without complex infrastructure and administration.

Deployment options that meet your needs

Avaya B5800 Branch Gateway combines multiple deployment options (distributed, centralized or mixed) with the ability to quickly adapt specific features and applications to the needs of individual employees in each branch location.

The result is the ultimate in customization and a smooth migration between architectures. Enterprises can

- Operate a fully-distributed branch network today and evolve to a fully Avaya Aura® core centralized branch architecture tomorrow.

- Opt to deploy and customize applications locally or provide tools centrally for consistency across the enterprise.
- Gain the cost advantages of centralized management (estimated at 25–30%) while protecting current investments in endpoints and delivering access to UC applications where they deliver the most value.
- A branch can run multi-language auto attendant locally for marketing purposes while using Avaya Modular Messaging over SIP from the core for voice mail.
- A manager might be accessing centralized audio, web and video conferencing tools to better work with regional teams and headquarters operations, while a front-office worker is using a locally-enabled phone and mobility applications that make it easy to be reached when out of the office.

Collaboration at the network edge

Unified communications and collaboration capabilities (UCC)—including presence, video, meet-me-conferencing, mobility and more—are having a major impact on operational efficiency, enterprise productivity and customer service. As UCC increases in sophistication—for example, with the introduction of advanced collaboration tools such as Avaya Flare™ Experience—enterprises need cost-effective ways to extend these functions to the network edge.

B5800 Branch Gateway brings the latest UCC applications to all users, including Avaya Aura® Messaging, Avaya Aura® Conferencing, Avaya Aura® Presence services and much more.

With Avaya B5800 Branch Gateway, it's the needs of individual employees, not the branch location, that determine what features are made available. Users have access to the right applications irrespective of location.

The result is a truly “user centric” or “collaborative” branch, with each location able to mix and match embedded and core applications.

In addition to centralized SIP endpoints, B5800 Branch Gateway can concurrently support other IP and TDM endpoints for a community of centralized and distributed users on the same platform.

Gaining the advantages of centralization

Avaya B5800 Branch Gateway delivers the power and cost advantages of centralized communications management including:

- Centralized dial plan and routing
- Centralized and local trunking
- Centralized and local applications

Implementing and managing these capabilities is simpler and more cost-effective through Avaya Aura™ System Manager and Enterprise Network Management (ENM).

Using Avaya Aura System Manager, IT can push configuration templates from the core (e.g., users with this profile across all branches get these features), manage a common dial-plan and monitor all sites for events, alarms and logs.

THREE TYPICAL BRANCH DEPLOYMENT SCENARIOS

Distributed Deployment



Who benefits: Enterprises who may not have a VoIP-ready MPLS WAN, or have not yet deployed Avaya Aura at core.

Avaya B5800 Branch Gateway in Action:

- Full-featured IP PBX for sites with IP and TDM end-points, from 25 to 2500 locations.
- Endpoints register locally with Avaya B5800 Branch Gateway.
- Applications such as auto-attendant can be locally deployed for local customization.
- SIP trunking in addition to PSTN trunking for business continuity.
- All sites centrally managed using System Manager. IT can push configuration templates from core and monitor all events, alarms, and logs centrally for remote visibility.

Next Steps: Enterprises can easily migrate to distributed or mixed deployment without expensive hardware upgrades.

Mixed Deployment



Who benefits: Enterprises who have a VoIP-ready MPLS WAN and are running Avaya Aura at the core.

Avaya B5800 Branch Gateway in Action:

- IP and TDM endpoints registered locally with Avaya B5800 Branch Gateway; all sites centrally managed.
- Some endpoints/applications can be centrally controlled (such as call center agents or power users) while others are locally controlled.
- Centrally controlled endpoints can call local endpoints as if both were local. Traffic between them stays local.
- Avaya Aura core integration enables additional TCO benefits to customers with centralized dial plan, routing, local trunking and applications control.

Next Steps: In this scenario, Avaya B5800 Branch Gateway enables customers to migrate from a distributed branch to a centralized branch through a simple configuration change, while leveraging their investment in system and endpoints.

Centralized Deployment



Who benefits: Enterprises who have a VoIP-ready MPLS WAN/Avaya Aura core and desire local survivability at the branch.

Avaya B5800 Branch Gateway in Action:

- All applications are centralized.
- Networks can be a mix of local and centralized.
- Avaya B5800 Branch Gateway acts as a survivable SIP Gateway offering business continuity to SIP endpoints in case of WAN failover.
- SIP end points are registered with Avaya Aura Session Manager during “sunny day” scenario and fall back to local Avaya B5800 Branch Gateway in “rainy day” for business continuity.
- In the survivable mode, SIP users get “enhanced” survivability, including multiple line appearances, ad hoc conferencing, voicemail, auto-attendant, park, page, transfer, and many more.

Next Steps: In this scenario, Avaya B5800 Branch Gateway delivers the full power of centralized access to Avaya Aura core applications.

Investment protection and flexibility

Avaya B5800 Branch Gateway also maximizes existing investments by supporting:

- A wide range of branch clients (H.323, analog, digital, SIP and mobile).
- Standard SIP, Key system, and PBX features.
- A variety of trunking options including SIP, Analog, and T1/PRI. SIP trunking is certified with 40+ service providers.
- Avaya B5800 Branch Gateway integrates with Avaya Secure Access Link (SAL) remote-access architecture providing simplified network management and increased support options, including integrating third-party support partners. Companies can deploy applications not only across Avaya gateways and PBXs but across third party solutions as well.

Business continuity options

Avaya B5800 Branch Gateway provides a cost-effective enhanced survivability configuration, while providing a migration path to full survivability. For basic SIP-based survivability in centralized deployments, Avaya gateway, secure router and networking products provide powerful, reliable and cost-effective WAN networking while also providing on-board SIP survivability, including local PSTN and SIP trunking. SIP devices can get service from the network to continue making and receiving phone calls with basic functionality.

For comprehensive Avaya Aura survivable functionality, the Avaya G-series Branch Gateways, such as the G430 and G450, can provide full Avaya Aura features through the addition of an on-board S8300 server blade (or access to other regional survivable servers). Users will see no difference in voice functionality and all their features and

capabilities will have been automatically provisioned for them from the centralized system. This level of survivability is usually suitable for larger branches supporting mission-critical or sophisticated operations, where full survivability over extended periods, such as in the event of a catastrophe, might be essential.

Learn more

Providing a flexible, cost-effective solution for communications and collaboration across branch environments is just one of the ways that Avaya meets the needs of today's enterprises. To learn more, contact your Avaya Account Manager or Avaya Authorized Partner. Or, visit us online at www.avaya.com.

About Avaya

Avaya is a global provider of business collaboration and communications solutions, providing unified communications, contact centers, data solutions and related services to companies of all sizes around the world. For more information please visit www.avaya.com.



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