

## Avaya Networking

Avaya's vision for the enterprise calls for a new level of synergy between people, the collaborative real-time applications they use, and the underlying, enabling network. A key building block for this vision is the foundational network. As real-time communications continue the evolution to IP, the data network becomes completely integrated into the delivery of communications-enabled business services and mission critical business applications.

Avaya Networking provide advanced enterprise-class reliability, performance, and security that organizations throughout the world depend on to run their businesses. Because solutions are streamlined to better utilize and manage networking resources, an Avaya data network can uniquely deliver both mission critical dependability and superior return on investment.



Avaya Networking offers an assorted portfolio of products that enable enterprises to build networks that are always-on, providing up to seven times better resiliency; efficient, up to 40% more energy efficient; and scalable, providing up to 20 times better performance than the market leaders.<sup>1</sup> We have augmented or enhanced the Avaya Networking product family over the last three years to deliver the most advanced technology available. In the past year alone, the portfolio has made several noteworthy accomplishments, including the introduction of pervasive 10 Gigabit Ethernet (GE) capacity, the acquisition of Identity Engines technology and becoming the sole vendor to break the stackable terabit barrier.

<sup>1</sup> - Tolly Group: Avaya Networking  
<http://www.avaya.com/usa/resource/assets/whitepapers/Tolly210113AvayaSummary.pdf>,  
 Tolly Group: Avaya Ethernet Routing Switch  
<http://www.avaya.com/usa/resource/assets/whitepapers/Tolly210114AvayaEthernetRoutingSwitch.pdf>  
 and Tolly Group: Avaya Converged Data Network Solution  
<http://www.avaya.com/usa/resource/assets/whitepapers/Tolly210110AvayaConvergedNetEnergyCosts.pdf>

Avaya's Networking portfolio is comprised of:

- **Ethernet Switching:** a range of integrated routers, gateways and appliances that allow enterprises to reliably and securely connect their branch sites
- **Unified Branch:** a range of routers and Virtual Private Network (VPN) appliances that provide a secure connection for branches
- **Wireless Networking:** a cost-effective and scalable solution enabling enterprises to deploy wireless coverage
- **Access Control:** solutions that provide policy decision to enforce role-based access control to the network
- **Unified Management:** support for data and voice networks by simplifying the management requirements across functional areas

The portfolio is sold globally to all industries with particular strength in healthcare, education, hospitality and financial services as well as to local and state governments.

### Ethernet Switching

Avaya's Ethernet Switching products provide complete coverage, ranging from entry-level branch office through premium high-performance wiring closet, to campus core and data center applications. Avaya is continuously developing and improving the product line. It has most recently delivered the Ethernet Routing Switch 5600 models

that feature the industry's first and only terabit-capable Stackable Chassis solution, and the Ethernet Routing Switch 8800, which is the evolutionary high-performance solution to support next-generation highly-virtualized campus environments.

### Core Ethernet Switching

Positioned at the heart of the network, core Ethernet switches provide the aggregation point between users connected to the edge switches and applications running to the data center infrastructure. The core plays a pivotal role, determining overall network availability and performance. Avaya's Core Ethernet Switches are primarily differentiated from others by Switch Clustering technology, which delivers simplified always-on resiliency

that extends beyond the switches to empower true end-to-end application availability. Additionally, Horizontal Stacking in the server access layer and lower overall power consumption can lead to energy cost savings, crucial advantages for any enterprise. With our field-proven ability to create networks that are more resilient, needing fewer and less complex elements, the overall network design and build approach of Avaya's LAN switches help ensure the highest levels of performance are delivered in unison with the highest levels of reliability.

### Edge Ethernet Switching

Avaya's portfolio of fixed-format Stackable Chassis Switches is the result of the progressive evolution of a number of

historically innovative products offering converged data and voice services for the Enterprise Branch and remote sites. Within the last few years, Avaya has completely refreshed the award-winning Stackable product line with solutions that provide greater resiliency, performance, efficiency, and flexibility. A common thread linking the portfolio is our truly resilient, high-performance Stackable Chassis architecture, which leverages Flexible Advanced Stacking Technology (FAST). The stackable architecture is just one of many differentiators making Avaya a leader in data networking.

### Unified Branch

Simplifying the complexity of multi-location networks, Avaya's Unified Branch provides a seamless experience that truly integrates your enterprise branch communications experience. The products in Avaya's Unified Branch portfolio deliver exceptional performance together with a high degree of service consolidation. Avaya Unified Branch products provide enhanced reliability and performance along with tight integration between traditional branch devices such as Wide Area Network (WAN) Routers, LAN Switches, Firewalls, and VPN services. The portfolio also features innovative integration of unified communications functionality with support for third-party compatibility with SIP call servers and IP phones, and a survivable SIP voice platform for the branch.

### Wireless Networking

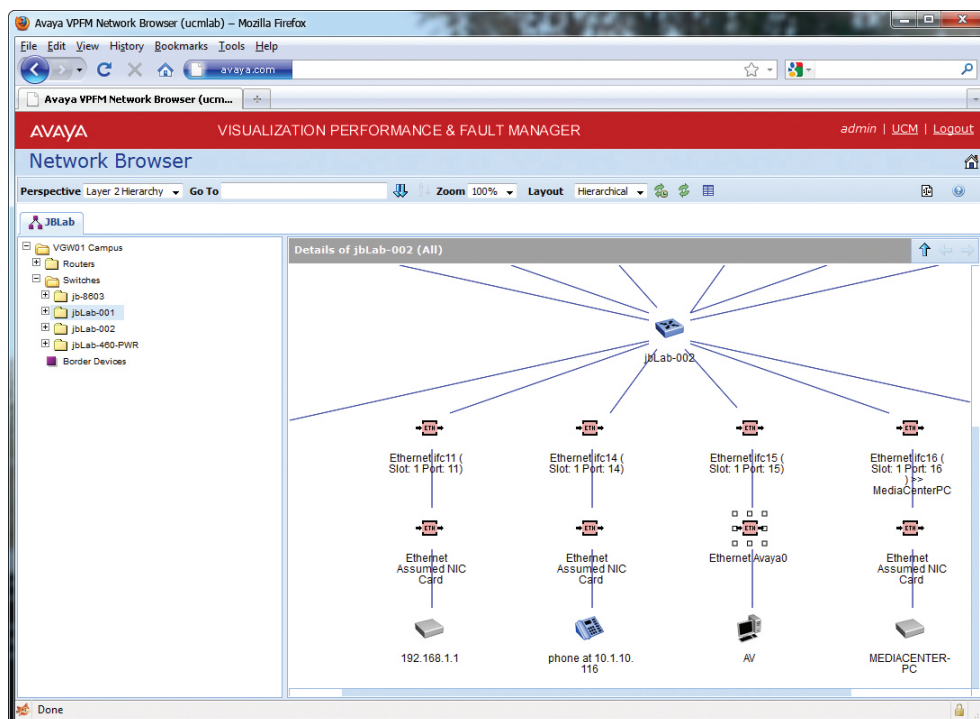
Avaya's Wireless Networking portfolio delivers wireless Local Area Network (WLAN)



solutions that can meet the challenges of today, tomorrow, and into the future. While wire remains the mainstay of office environments, the enhanced throughput and range that 802.11n offers over 802.11 a/b/g makes WLAN a viable alternative to wired networking for end-user connectivity. The Avaya WLAN 8100 Series is a next generation solution that combines the 802.11n wireless standard with a new and truly unified wireless/wired architecture for exceptional results. The advanced solution delivers wired performance to wireless users, helping lower your total cost of ownership.

## Access Control

Avaya's Access Control products, comprised of SSL VPN, Secure Portable Office and Network Access Control solutions, provide endpoint security innovation that helps maintain end-to-end integrated security in an open, standards-based approach. Being device-agnostic, you can deploy the solution in virtually any existing environment, and offer health scans and robust authorization policies that seamlessly support LAN, WLAN, and VPN infrastructures. In addition to offering a centralized policy engine, the Identity Engines portfolio provides a suite of software-based products that deliver enhanced network access control capabilities including secure guest networking, compliance portal access and reporting and analytics.



Avaya Unified Communications Management Visualization Performance and Fault Manager

## Unified Management

Avaya's Unified Communications Management (UCM) provides comprehensive network management capabilities across data and voice, and wired and wireless networks, utilizing a set of Common Services that serve as a foundation for unifying management applications. Common Services allow for common components (such as user data, database information and certificate management) to be shared without repeating the same definitions and configurations for each application. The portfolio offers single sign-on and a common look and feel, which helps ensure easy and secure access while reducing the training requirements associated with learning each management application. The result is an easy-to-use, fully integrated, one-stop-shop management portal, providing a unified view of the network, while streamlining workflows and reducing installation, configu-

ration and troubleshooting time, system operations and maintenance. UCM simplifies the management of faults, installation, configuration, performance, IP Flow, QoS policies, telephony and messaging.

## Key Facts

Avaya Networking is found at the heart of mission-critical networks around the globe including the world's top banks, airlines, healthcare and education institutions and U.S. Departments of Defense. Avaya Networking is trusted by many of the most prestigious companies in the world. This trust is made evident by the fact that:

- We are the only company to ship both 80 million voice lines AND 80 million data ports

- We have the second largest core switch installed base in the industry at 2.7 million ports
- We deliver the most advanced line of newly refreshed stackable switches in the industry with 22 million ports sold in the last four years
- Up to seven times more resiliency
- Up to 20 times better performance
- Up to 50% better TCO
- Up to 40% more energy-efficiency
- Pioneered best-practice design, saving 1/3 equipment

Avaya commissioned The Tolly Group, an independent research firm, to determine how cost-effective Avaya Networking can be. They tested a series of scenarios including Campus LAN and Branch Office WAN. The results prove Avaya's ability to build networks that are inherently more efficient, effective, and have superior ROI than competitor products. Taking into consideration the costs typically associated with deploying and operating a network, Avaya consistently delivers exceptional value when compared side-by-side to the market leader.<sup>2</sup>

## Learn More

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

<sup>2</sup> - Tolly Group: Avaya Networking  
<http://www.avaya.com/usa/resource/assets/whitepapers/Tolly210113AvayaSummary.pdf>,  
 Tolly Group: Avaya Ethernet Routing Switch  
<http://www.avaya.com/usa/resource/assets/whitepapersTolly210114AvayaEthernetRoutingSwitch.pdf>,  
 and Tolly Group: Avaya Converged Data Network Solution  
<http://www.avaya.com/usa/resource/assets/whitepapers/Tolly210110AvayaConvergedNetEnergyCosts.pdf>

## About Avaya

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



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