AVAYA

DeveloperConnection Program

MERU NETWORKS

IP Telephony
Contact Centers
Mobility
Services

PRODUCT BRIEF

Avaya and Meru Networks

Delivering the Ultimate Enterprise Wireless Voice and Data Experience

How can enterprises in different industries – including corporate, healthcare, and education – build a wireless network with unprecedented reliability, security, quality of service and scalability, while leveraging their existing investment in wired infrastructure?

Meru Networks, a Premier-level member in Avaya's Developer*Connection* program, addresses this need with the Meru Wireless LAN System, the first integrated mobility infrastructure to support toll-quality voice and data. Meru WLANs centralize security and management while distributing air intelligence to overcome the critical challenges involved in implementing and managing a scalable wireless local area network (WLAN) infrastructure at enterprise headquarters, campuses, multi-tenant facilities and branch offices.

The Meru WLAN solution is designed to work with Avaya's Communication Manager and Avaya™ IP Office. Communication Manager integrates telephony call processing, call control, messaging, contact center and a widely accepted application programming interface into a highly scalable architecture designed to support both circuit-based and IP-based telephony within a distributed enterprise communications network. IP Office is an all-in-one solution specially designed to meet the communications challenges facing small and medium sized businesses.

One Network for Voice & Data

Meru offers a family of platforms that are designed to scale performance from small to large-scale enterprises. The Meru WLAN System includes three major components, plus an optional module:

- The **Meru Dual Radio Access Point** is a standards-compliant coordinated AP that provides any combination of 802.11a, 802.11b, and 802.11g Wi-Fi connectivity as well as performing intelligent RF monitoring functions. In contrast to other dual-mode APs, Meru's AP delivers full performance for both 802.11b and 802.11g clients on the same channel at the same time without any performance penalty to 802.11g clients. This is all accomplished without any changes to the client devices.
- The **Meru Controller** is the central engine that coordinates and enforces wireless policies across all Meru APs, including: security, plug-and-play deployment, RF resource management, mobility, contention management, and Quality of Service. The Meru Controller product line features a range of platforms that support various AP densities, intelligent wireless services and feature requirements.
- **System Director** is the embedded software on Meru Access Points and Meru Controllers that manages all WLAN system features including performance, security, deployment and configuration. It delivers distributed intelligence with centralized control to ensure that your wireless network will support voice, data and video applications now and in the future.
- **VPN module** is an optional module designed for large-scale WLANs that require maximum security without the unnecessary management hassle.

Meru's family of WLAN controllers work with the company's AP200 access points to create a fully coordinated "cellular WLAN" architecture in which all access points (APs) work together to provide a seamless blanket of coverage that scales transparently and delivers guaranteed quality of service to every WLAN user. Unlike other WLAN systems in which access points work independently and must be laboriously configured to deliver adjacent, non-overlapping coverage, the Meru cellular WLAN architecture gives enterprises an easily scalable WLAN infrastructure capable of providing wireless VoIP with the reliability and quality of wired VoIP.

Key Features & Benefits

Quality of Service (QoS) – Unlike most WLANs, the Meru WLAN solution can support real-time applications such as voice. Meru's system overcomes latency problems and provides predictable performance. The system automatically detects traffic types to apply QoS policies. The Meru AP supports up to five times more voice calls than competitive APs. Meru also equips WLANs to support real-time applications by transmitting voice and data on the same channel, thus eliminating the need for extensive RF planning.

High Density – Meru's patent-pending Air Traffic Control technology manages signal contention with sophisticated time-based traffic controls.The technology delivers predicable performance, free of latency and jitter problems, to increase user density by a factor of five: no performance degradation, 5x client density per AP and 5x aggregate throughput per AP.

Transparent Mobility – With Meru's Virtual Cell technology, multiple Meru APs act as one powerful, wide-ranging AP, providing optimized load balancing, zero-handoff between physical APs and integrated RF monitoring for network awareness and self-healing.

Easy Deployment and Management – Meru's Air Traffic Control Technology with RF intelligence eliminates the need for managing RF interference, determining channel and power settings, and optimizing the network, thus reducing the RF planning requirements for large-scale deployments.

Comprehensive Security – By nature, RF signals are everywhere, creating the fundamental security challenge for wireless. The Meru solution provides a cost-effective defense of both the perimeter and internal networks. Its unified approach to wireless security includes firewall, protection against DoS attacks and antivirus. The solution provides eight layers of security, from location to application.

The Meru Momentum

By creating the only truly integrated wireless infrastructure capable of supporting enterprise applications with the reliability of a wired infrastructure, Meru is helping organizations enhances productivity, introduces new efficiencies and accelerates business response time.

Meru's innovative technology and unique value proposition have been recognized through numerous industry honors including:

- Best of Interop 2005, Wireless Category
- 2005 Network Magazine Innovation Award
- Communications Convergence Magazine 2004 Product of the Year Award
- Internet Telephony 2004 and 2003 Product of the Year Awards

ABOUT MERU NETWORKS

Meru Networks is the global leader in converged wireless LAN technologies, and makes the only enterprise WLAN infrastructure that delivers the reliability, scalability, and security for voice and data services over a single WLAN infrastructure. Meru's Wireless LAN System is deployed in major FORTUNE 500® accounts, universities, and healthcare organizations. Meru's unique Air Traffic Control technology provides predictable bandwidth and over-the-air, application-specific QoS to support a wide range of current and future wireless applications.

For more information on Meru Networks, visit www.merunetworks.com or call (408) 215-5300.

ABOUT AVAYA

Avaya enables businesses to achieve superior results by designing, building and managing their communications networks. Over one million businesses worldwide, including more than 90 percent of the FORTUNE 500®, rely on Avaya solutions and services to enhance value, improve productivity and gain competitive advantage.

Focused on enterprises large to small, Avaya is a world leader in secure and reliable IP telephony systems, communications software applications and full life-cycle services. Driving the convergence of voice and data communications with business applications — and distinguished by comprehensive worldwide services — Avaya helps customers leverage existing and new networks to unlock value and enhance business performance.

For more information about Avaya, visit www.avaya.com.

ABOUT DEVCONNECT

The Developer*Connection* Program (DevConnect) is a comprehensive set of innovative sales, support, marketing and services programs through which Avaya works with members to develop and promote their products and solutions that interoperate with Avaya solutions.

For more information, visit DevConnect at www.devconnectprogram.com.

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