

## Enterprise Solutions



Enterprises are quickly realizing the advantages of a unified network for voice, video, and data applications. Concurrently, wireless mobility is rapidly gaining popularity as a way to increase productivity through access to network resources from any location. As the innovative leader in wireless mobility infrastructure, Meru Networks is the only company to deliver secure, toll-quality performance for wireless voice, high capacity data, and bandwidth intensive video applications.

Wireless networking is transforming the workplace environment by delivering previously unattainable, operational efficiencies. No longer just a conference room convenience, workplace mobility is now a strategic advantage for all lines of business including operations, administration, and other business and mission critical applications. IT organizations now face a new set of challenges to meet the increasing demands of an expanding user base. Integrating telephony, high performance data, and video that support a myriad of new applications, while maintaining corporate governance and information security is essential for today's pervasive wireless networks.

### Enterprise grade workplace mobility solutions now require:

- Scalability for high density and capacity for voice and data
- Extensible Architecture, ensuring future application and device requirements
- Performance with fair access for all clients
- Reliable service for the wired-like experience
- Secure air and access to protect business-critical data
- Plug-and-play interoperability with existing wired infrastructure and clients
- Dramatically reduced cost and complexity of deployment and



management for lower TCO



**Meru Networks is the leader** in providing workplace mobility infrastructure for wireless voice (VoIP), data, and video applications. Meru's standards-based wireless networks ensure robust performance with secure, seamless connections, simplified deployment, and carefree maintenance for business-critical solutions. Meru Networks is the nexus between business-centric applications and the resources that rely upon them. Meru's technology empowers a broad range of mobility solutions, providing the ultimate assurance that there is an indispensable Enterprise

infrastructure that works seamlessly—every time. The Meru Wireless LAN (WLAN) system is uniquely suited for the bandwidth-intensive, real-time applications, where communications and application delivery is mission critical.

Meru Networks is setting the standard for wireless networking performance with a workplace mobility infrastructure that delivers unsurpassed application performance, toll-quality telephony, and robust video delivery. Meru's patented and award-winning standards-based Air Traffic Control™ architecture is uniquely engineered to ensure seamless mobility while supporting a higher density of clients. Fully compliant with prevailing 802.11 standards, Air Traffic Control™ technology addresses the critical elements for deploying enterprise-class WLANs that most networks lack. Now, industry-leading data capacity can coexist with dial-tone quality wireless VoIP calls simultaneously, due to Meru's patented coordination and timing algorithms.

## **BENEFITS OF MERU WIRELESS LAN TECHNOLOGY FOR THE ENTERPRISE**

While others have created WLAN switch architectures, they focus primarily on ease of deployment and central management of AP configuration parameters. Solving this problem is both important and necessary, but it is not enough. The key challenge to being able to provide the type of reliable, high-quality wireless communication that will improve patient care and reduce medical errors is managing contention, interference and Quality of Service in a dense Wi-Fi environment with both data and voice clients. Meru has done just that with its wireless System.

### **Designed for Quality Wireless Communication**

Meru's patented Air Traffic Control technology delivers over-the-air QoS, predictable performance, and roaming with no connection loss, to reliably support landline quality wireless VoIP without interrupting mobile data applications. Up to 30 concurrent calls per access point are supported - a 500% increase over other WLAN products. The Meru WLAN system works with standard Wi-Fi clients and supports 802.11 single mode and WiFi-cellular dual-mode phones.

### **Reliable Connectivity for Higher Densities of Clients**

With Meru's Wireless LAN System, wireless access to the rich clinical data in a CPR coupled with real-time wireless VoIP communication will remove impediments to computer-based physician order entry and patient care. The value of Meru's patented Air Traffic Control technology only grows as CPR vendors broaden the penetration of their PDA-based extensions to their application suites, vastly increasing the number of users the wireless infrastructure must support.