

NEC Converged Mobility Solutions

No Limits.

No Boundaries.

No Stopping You.

Empowered by Innovation

NEC

Converged Mobility Solutions.

Changing the way we work.

A Real-Time Enterprise delivers up-to-date information to decision makers, allowing them to gauge risks and opportunities as they unfold and helping the organization to compete in a 24/7 world. Consequently, organizations are exploring how to become Real-Time Enterprises. These efforts focus on:

- better use of time
- taking advantage of emerging opportunities
- minimizing damage when things do go wrong
- reacting to unforeseen events quickly and effectively
- faster problem solving

Mobility is a key aspect of transitioning to a Real-Time Enterprise.

In addition to reducing waste and increasing efficiency, a Real-Time Enterprise with converged mobility can offer more competitive customer service. No longer bound by location, the best person to address an issue can immediately – in real time – interface with a customer or support the customer service representative.

Deliver Direct Cost Savings.

By converging voice and data on a wireless LAN, businesses can realize significant financial benefits. In new locations, a business can drastically reduce the amount of cabling that must be run to serve all potential users.

Technology that can change the way we work.

Real-time demands individuals to access company information from any location – corporate headquarters, branch offices

*Anytime,
anywhere
communications
required by the
Real-Time
Enterprise.*

and outside the office. A number of key elements are needed:

- A real-time wireless infrastructure
- A variety of converged devices designed for the needs of a range of mobile workers
- Applications to deliver voice and information to Real-Time Enterprise users.



To meet these requirements NEC created a converged mobility solution that enables mobile devices to deliver the anywhere, anytime communications required by the Real-Time Enterprise. It incorporates wireless controllers with integrated system management, access points and a range of planned mobile terminals.

Simple

This infrastructure includes state-of-the-art installation and integrated system management that constantly surveys the site to automatically adjust for continuous service.



MOBILIZE YOUR ENTERPRISE

It is the first system to be Radio Frequency (RF) aware and to truly manage the RF section of the wireless LAN. It's like having an "RF Engineer in a Box." So, as the enterprise adds capacity for more coverage or higher bandwidth, the wireless network automatically adjusts the network without human intervention.

Secure

NEC's wireless, managed, end-to-end solution is equipped with system-wide authentication and authorization protocols across all ports and interfaces, helping to maximize system security. The wireless

network continually monitors the RF and notifies the operator when interference or security breaches are detected.

The security solution enables mobility in the enterprise by providing simple, unified and systematic security management tools. Different integrated security policies allow more people into your network while controlling what information they can access.

The NEC converged mobility solution operates with a range of hand-held terminal devices and includes wireless controllers, access points and control software.

Seamless

Dynamic capabilities deliver the continuous coverage demanded by a converged voice and data network.

The system supports seamless client roaming across all access points in the managed

network, both within the same subnet or across different subnets. This roaming is fully transparent to the client; with the client session maintained using the same IP address, regardless of movement between access points, whether they are within the same controller or between multiple controllers across the entire enterprise network.



Converged Mobility Solution Components

The Converged Mobility Solution operates with a range of hand-held devices (phone handsets, laptops, tablet PCs and PDAs) and includes wireless controllers, access points and control software.

NEC Converged Mobility Solution

COMPONENTS

Wireless Controllers

The wireless controller is available in several configurations. Each comes in a compact, 19-inch rack-mountable unit and provides high-speed interconnectivity with other devices. It delivers the intelligence and processing power required to support business critical applications across your entire wireless enterprise.



Access Points

Access points mount inconspicuously throughout your building or campus to provide robust access to wireless services in a cost-effective manner. Each access point simultaneously supports multiple 802.11 bands, ensuring flexible design configuration with minimal investment. Each access



point is aware of neighboring access points, enabling effective traffic management through load balancing and ensuring maximum network availability.

Future wireless technologies, including enhancements to 802.11 and other protocols can

be supported via simple field upgrades. This allows the solution to grow seamlessly with changing wireless requirements. NEC access points remain extremely cost-effective and easy to manage when compared to alternative models.

Mobile Devices

To address the wide variety of mobile users, the NEC solution includes a range of mobile devices including feature-rich 802.11b handsets, which will be followed by SIP-based handsets for basic voice service and web, email and application access. Each mobile device has its own characteristics for application performance whether it is a

wireless handset, laptop PC, PDA or Tablet PC for collaborative applications.

Control Software

The Control System software provides simple and effective tools that simplify the deployment, management and maintenance of the hardware. Unlike alternative WLAN management tools, the software provides a full range of management tools that extend visibility beyond the wire line network and into the radio environment including:

- Wireless coverage map
- Coverage hole detection and correction
- Dynamic channel assignment
- Rogue detection and containment

