



The Anixter Difference

Companies of all sizes are deploying mobility solutions to drive revenues, reduce costs and improve employee productivity. Wireless networking is the foundation that enables the ultimate mobile networking environment to run data, voice and video applications, and is now accepted as an integral part of many corporate networks. Anixter's sales force and technical experts are available to help you make informed decisions about this rapidly evolving technology and make sure that you choose the right products for your specific applications.



Customers Served

Education | Financial | Retail
 Healthcare | Transportation
 Government | Manufacturing
 Telecommunications | Natural
 resources | Systems integrators/
 installers | Municipalities

Wireless standards have evolved over the years and, as such, different radio frequency (RF) architectures have been developed to accommodate the changes. From the more traditional cell-based and mesh, to the more recent technology such as channel blanket and antenna array, each RF architecture offers a unique set of benefits to help satisfy the needs and requirements of customers. Perhaps the most commonly known RF architecture is cell-based, which offers a wide area of coverage due to its scalability. An array architecture, with an available 16 channels, presents the user with a high level of capacity, while a channel blanket architecture operates on one channel, making it a simple and easy-to-install solution. A mesh architecture has strengths in coverage and capacity, but also adds an element of mobility and redundancy to the network. Through the convergence of data, wireless and voice, Anixter's wireless networking portfolio of solutions is structured to deliver best-in-class solutions for each unique application.

Mobility Solutions Product Offering

We provide you with a one-stop product offering that covers your mobility needs regardless of the scope of work. Our product offering includes:

- Wireless local area networks (WLANs) indoor and outdoor
- Access points
- Controllers
- Antennas
- Enclosures
- RF cable assemblies
- Wi-Fi lightning protection
- Wi-Fi splitters
- Site survey kits
- Site survey battery packs
- Wireless voice solutions
- Video surveillance
- Power over Ethernet (PoE)

Principal Services

- Supply Chain Solutions including
 - Sourcing
 - Logistics
 - Inventory management
 - Product enhancement and packaging
 - Deployment
 - eBusiness
- Technical support
- Product testing and evaluation

Indoor Wireless Solutions

On a worldwide basis, companies of all sizes are realizing the value of wireless network connectivity. Wireless local area networks (WLANs) are being adopted to enable seamless mobility and increased productivity for anyone on the go. WLANs have the capacity to satisfy the growing demands of integrated data, voice and video to provide effortless wireless connectivity to laptop, desktop and handheld users. Key benefits of wireless include increased productivity, access from multiple devices, cost-effective alternatives to LANs and a lower cost telephony alternative.

Anixter delivers enterprise class WLAN products in the distributed, centralized and mesh architectures, all providing sophisticated functionality, security and flexibility.

Outdoor Wireless Solutions

Wireless outdoor links are commonly viewed as a viable alternative to traditional physical layer technologies such as copper and fiber lines. An end-to-end wireless network can be easily deployed to connect buildings across your entire campus to provide voice connectivity or add network redundancy. Sometimes it is not feasible to install a leased line from one building to another where roads, railways, rivers and other obstacles are present. Wireless links are a flexible, low-cost and easy-to-install alternative. Anixter offers high-speed point-to-point, point-to-multipoint, mesh and Worldwide Interoperability for Microwave Access (WiMAX) solutions, which offer high bandwidth at a fraction of the price as that of leased lines.

Another viable outdoor alternative is Free space optics (FSO), which offers fiber-like data

rates and availability with the true simplicity and ease-of-use of a wireless solution. Benefits include easy installation, high security and compatibility with copper or fiber interfaces.

Voice Solutions

The more conventional use of wireless networks is to provide enhanced mobility and flexibility for data transmission. Laptops and PDAs are two of the most common applications for wireless technology. However, the wireless network is also a perfect infrastructure for the implementation of telephony for mobile workers. With a wireless IP phone, users can move freely around company premises yet remain reachable at all times for both internal and external calls. Voice over WLAN (wVoIP) operates on a converged voice and data network. The IP capability contributes to reduced phone costs. The wireless capability provides user mobility, responsiveness and productivity.

As mobility becomes more of a driving factor of productivity, wireless handsets and headsets gain importance in the enterprise environment. Though wireless handsets and headsets do not work from a wireless LAN, they provide the same mobility and flexibility to users of phones as a WLAN does to users of laptops and PDAs.

If you are a mobile professional, a Bluetooth® headset is a necessity. Bluetooth, the enabling technology for this product, is a specification for wireless personal area networks (PAN). It facilitates wireless communication between devices such as laptops, PCs, printers and digital cameras. It is most often referred to as the mobile phone standard. A Bluetooth headset gives you the freedom to communicate from almost anywhere.

Power Over Ethernet (PoE)

Power over Ethernet technology enables IP telephones, wireless LAN access points and certain IP surveillance cameras to receive power, along with data, over the existing standard twisted pair cabling. This leaves the network infrastructure completely unaltered and eliminates the need for an external power supply, not only saving time and money, but also increasing the overall reliability and manageability of the network. PoE compliance is defined in the IEEE 802.3af standard, allowing the safe delivery of power over a distance of 100 meters and can be implemented through a power injector (midspan solution) or an Ethernet power switch. PoE is quick to install, reduces cable runs and significantly cuts down on installation labor costs.

Video Surveillance

Wireless video surveillance is perfect for organizations that have multiple remote locations or mobile users scattered throughout a town, city or large campus area. Wireless video provides a cost-effective method of distributing video signals over the air at great distances to mobile security personnel or in environments where it is either too expensive or too difficult to install a wired infrastructure.

Wireless infrastructures employ receivers and transmitters mounted on buildings, water towers or any high structure to permit optimal reach. Today, wireless infrastructures are capable of transmitting video surveillance images to recording and monitoring equipment more than 50 miles away.

You can rely on Anixter's products, technical expertise and services to ensure your wireless projects go smoothly.

About Anixter: anixter.com/aboutus
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12D0052X00 © 2013 Anixter Inc. · 10/13

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