

WIRELESS NETWORKING SOLUTIONS



Work today is no longer confined to the four walls of the office. Working away from the office is the norm for field workers, offshore staff, sales and marketing personnel, managers and even CEOs.

“The advances and convergence of information communications technology has brought forth wireless networking; hassle and cable free network access”

With the advances in and convergence of information and communications technology (ICT), one can stay connected with the office from anywhere in the world. Wireless LANs have been talked about for a while and today there are products in the market, which provide users with wireless connectivity to an enterprise or corporate network. They provide the business user seamless connection to the Internet and the ability to access data anywhere and anytime without having to physically plug into a network access point. Mobility is no longer a luxury, it has become a basic necessity in our lives.



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Attributes Of Wireless Networking

- Delivers the information you need to your computer without the need for conventional cable
- Employs radio frequency to transmit data up to a bandwidth of 11Mbps based on industry standard IEEE 802.11b protocol
- Provides data security using an industry standard encryption technique
- It extends the range of your cabled Ethernet network, wirelessly, by providing easy network access to mobile users and difficult to wire locations. It co-exists with your wired network
- The range of coverage within a building is 400m and for outdoors, the line-of-sight coverage covers up to 26Km between buildings

Benefits

As it brings performance, reliability, flexibility, mobility and security to a communicating world, wireless network is widely used in many industries such as manufacturing & warehousing, retail, education, healthcare, and transportation. Wireless Networking overcomes the shortcomings found in conventional wired networks. Some of the significant benefits of Wireless Networking are as follow: -

- **Reliable & High Throughput Communications**
Robust and reliable wireless transmission with 11 Mbps data rate especially useful for outdoor applications
- **Low Cost & Fast Deployment**
Building to building connections can be deployed in a simple and quick manner with wireless equipments without involving too much cabling works and obtaining approval from governing parties
- **Flexibility**
Simple and flexible relocation and reconfiguration of workstations in the event of office expansion, renovations, and relocation. New workstations/ PCs can be added into network quickly and easily
- **Mobility**
Users are able to access their office network/ Internet with their notebooks at anywhere and anytime not only within the organisation but also between line-of-sight buildings, thus allowing highest level of productivity and efficiency. Network could be accessed without having to plug-in to a network jack, giving users total mobility and freedom to access network and Internet wherever they are. Hence, higher level of productivity and efficiency is produced
- **Security**
Ensures a highly secure data transmission with the standard encryption and authorisation algorithm

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