

COMMERCIAL WIRELESS SOLUTIONS

Wireless solutions offer a number of features that make them suitable for use as a stand alone network or as a complimentary solution to conventional wired networks. They are ideal for use in listed buildings where knocking holes in walls is not an option or in organisations where there is a highly mobile workforce. They are frequently used in large warehouse environments to link forklift operatives to the server for real time downloading and updating of picking lists. They can be quickly and easily deployed with the minimum of disruption to the working environment.

The new IEEE 802.11g standard for wireless infrastructures offers speeds of up to 56MBits/sec, making them suitable for supporting all of the normal commercial applications such as file sharing, printer sharing, email and Voice over IP (VOIP).

Wireless solutions also have applications in building to building links, where significant costs and disruption can be avoided when compared to the digging of ducts and the laying in of fibre optic cables. Laser point to point solutions offer connection speeds of up to 1Gbit/sec, making them faster and cheaper than conventional leased line solutions.

Wireless solutions offer:

Mobility

Workers need no longer be tied to a particular desk or even a particular office. With a wireless enabled laptop and a mobile phone they can be productive anywhere where there is a wireless signal. Wireless networks can even cope with working on the move with access points seamlessly handing over from one to another.

Scalability

No longer are the number of users limited by the number of cabled ports available. The nature of a wireless network lets new users be easily and quickly connected to the network, thus maximising productivity.

Reduced Costs

The reduced installation time and minimal amount of hardware ensure that wireless solutions can be a cost effective alternative to conventional wired solutions. Laser building to building links can be quickly deployed without the need for planning permission or the granting of way leaves to dig up roads.

Security

Modern wireless networking devices come with a range of built in security features that ensure, when enabled properly, that only authorised users have access to your network.

Electron offer a number of services to ensure the deployment of the optimum wireless solution:

- Wireless surveys – our highly trained technicians will carry out a survey of the areas requiring coverage and will draw up a specification detailing the number and location of access points (APs), together with any additional cabling requirements
- Installation – Electron will install the access points in the appropriate locations, together with the necessary cabling to link the APs back to the comms cabinet. Electron can also provide Power Over Ethernet (POE) solutions that enable APs to be remotely powered
- Commissioning – Electron will set up the wireless network to ensure maximum coverage with the minimum of interference between wireless cells. Electron will advise on the enabling of security features to ensure that the network is only available to those with authorised access

To find out more about commercial wireless solutions please call Electron on **0870 011 5456** or visit our website at www.electron.co.uk and click 'services'.