

Wi-Fi and Wireless Networks

Sometimes, structured cabling systems are an impractical solution for networking, due to lack of space, distances, area layout or listed building status. When a fixed method is not practical, there are a variety of indoor and outdoor applications, to help solve the problem.

Indoor Solutions

At CASS, we can provide an indoor networking system, using a bespoke mix of wired and wireless components to create the ideal network infrastructure. We can design and install a complete wireless networking infrastructure for both 11Mbps (IEEE802.11b) and 54Mbps (IEEE802.11g) wireless networks.

Outdoor Solutions

For outdoor installations, the best and most effective system is an Optical Wireless Link. These can be used to connect two locations, where there is a clear line of sight, for distances in excess of 2km. Not only do they remove the need for structured cabling, which in many cases proves impractical, but they can also offer extensive savings over leased lines. Not only this, but their ease of set-up means that they can be used for both permanent and temporary installations, without a prohibitive cost. In addition, they also offer better security than other wireless link options like Radio or Microwave and require no special licence for installation and use.

Laser Based Free Space Optical Wireless Links are robust and maintenance free (requiring only an occasional clean of the glass window on the head) and offer speeds in excess of 1Gbps. They are also capable of duplex voice and data links and high quality analogue video transmission

Bespoke Solutions

At CASS, all cabling and wireless systems are tailored to individual's requirements with expansion and future proofing built in to the overall design. A range of individual high class products are available including all connectors and panels.

Call us today on +44 (0) 1789 730555 and let us help you get your project started
Alternatively, email us on info@cassworldwide.com and we'll happily get back to you.

Hardware

Wireless LAN Access Point:

An Access Point allows wireless devices to attach to a wired network or can be the central point in a completely wireless network. The devices provide a high level of security for data and privacy during wireless connectivity, and are an ideal solution for quickly creating and extending a wireless LAN.

Wireless LAN CardBus PC Card

These are designed to fit any standard laptop wireless network slot and enables the laptop to connect to the wireless network in the local area.

Wireless PC Card

These are cards, which plug in and install quickly and easily to any desktop PC. The computer can then connect wirelessly to the office or home network.

Wireless USB Dongle

Unlike the Wireless Cards, Dongles do not need a specially designed slot. If your laptop doesn't have a standard wireless card slot, then a Dongle is ideal as it plugs straight into a USB port.



Access Point



LAN PC Card



PC Card



USB Dongle