



## Local Area Network

Data and voice communications over a Local Area Network (LAN) represent one of the fastest moving aspects of IT today. The market is complex and is continuously progressing therefore communication providers are undergoing change and developing new technologies all of the time.

By converging your voice and communications onto one single structured network, many significant advantages can be reaped; for example greater management of traffic, cost and flexibility of your network.

ADP can cater for all of your LAN requirements and design a solution that is bespoke to your business needs. Our experience and expertise in this area enables us to offer many different structures including the following:

### Category 5e Infrastructure

A category 5e (Cat5e) network is the most popular and cost-effective structured network, running at 100MHz. It will give your business' infrastructure the ability to support today's IT requirements and all those bandwidth hungry applications. All our Cat5e installations comply fully with international standards and our testing ensures that network performance is maximised.

### Category 6 Infrastructure

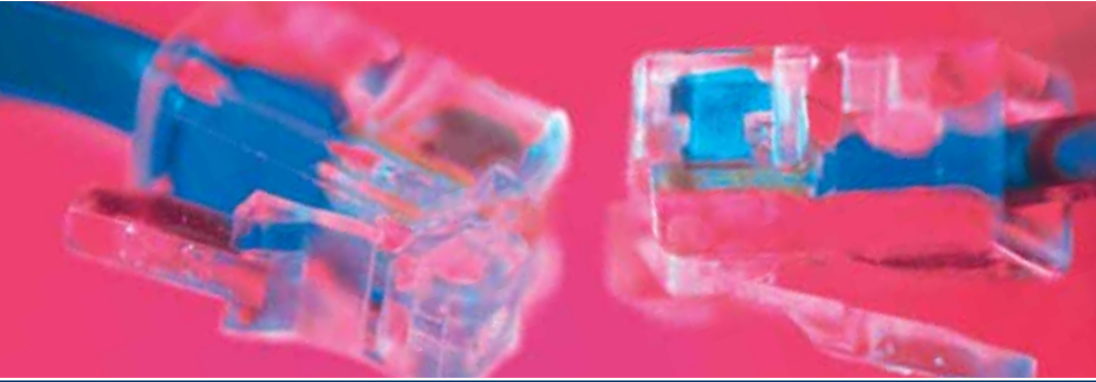
Our Category 6 (Cat6) networks gives businesses the cutting edge of today's technology. A Cat6 network is capable of running at 250MHz, its overall performance is designed to reduce network error transmissions by freeing up devices to accurately and rapidly transfer data, improving overall performance. All installations are tested using Cat6 specified standards.

Whatever grade of cabling meets your requirements, ADP can design a truly integrated system which combines both voice and data from any port. This dramatically eases office re-organisation or relocation of staff without the need for re-cabling.

### Wireless Networks

Wireless networking, popularly known as WLAN, has become a realistic alternative to fixed cabling following recent advances in security and the falling cost of technology. Our technical support engineers constantly keep in touch with developments to ensure that we are always providing the most cost-effective and secure products on the market.

“ADP can design and implement a bespoke solution that caters for all of your Local Area Network requirements.”



WLANs are capable of linking two or more buildings, or providing a flexible working environment for your staff and mobile users. Where you have a requirement that prevents the use of cables due to cosmetic or environmental limitations, ADP can provide a tailored solution.

### Telephony

Beyond a basic telephone system, a telephony solution from ADP caters for any future business growth and can provide advanced features such as voice mail, call centre provision, interactive voice response, computer telephony integration and much more. A telephony solution can easily be integrated into your infrastructure providing a robust and reliable system for your business.

### Fibre Optics

ADP can install and test fibre optics cabling using certified testers and termination equipment. If you have an inter-building link, a long cable run or wish to provide a fast backbone for your network then fibre optics are the way forward.

To assess your business' LAN requirements, ADP carry out an on-site survey and provide a written report of all findings, possible solutions and indicative costings. We can then design a bespoke solution to fit your exact needs, taking on board any future requirements. From the very beginning, an ADP Project Manager will oversee each installation to ensure that it runs on time and within budget. For those that have urgent cabling requirements we also offer a call-out service, providing an efficient and cost-effective solution for those sudden, unforeseen requirements.

### Benefits

- Complete solution - no hidden costs
- Standards compliant to EIA/TIA TSB95, ISO 11801 2000 and BSEN 50173 2000
- High speed bandwidth
- Reduces ongoing costs and eases the management of your network
- Changes can be made simply by re-patching - reducing the cost of office relocations dramatically
- Flexibility of network
- Cost-effective

### Features

- Full on-site survey and confidential written report
- A single point of contact throughout installation
- Supports all voice systems as well as data, one cabling scheme required thereby saving space
- Easily integrated with wireless networks to extend range where cabling is not suitable or desirable
- All structured networks are supplied with a lifetime certificate for component performance
- Full documentation and drawings can be supplied upon request

