

Integrated LAN solution

At a time when Local Area Networking (LAN) is essential for sharing information, peripherals, workgroup applications, internet and VoIP, Alcatel OmniPCX integrated LAN switches are the perfect choice for small and medium-sized offices and businesses. Its Fast Ethernet technology boosts the LAN network performance, thus allowing transfer of large files, trouble-free use of databases and access to multimedia applications.



Performance

Alcatel OmniPCX Office integrated LAN board delivers Fast Ethernet switching. With up to 100 Mbps of throughput per port, it allows trouble-free transfer of large files, use of data bases and access to multimedia applications.

Scalability

Alcatel OmniPCX Office integrated LAN is modular and offers a cost effective solution from 8 to 84 ports. The LAN boards embed uplink ports to further extend the network through other switches or to reuse existing hubs.

Simplicity

Alcatel OmniPCX Office integrated LAN is designed for plug-and-play installation. With 10 to 100 Mbps autosensing on all ports, detection of the speed of the attached device is automatic, and no configuration is needed. With the OmniPCX Office DHCP server, IP addresses are dynamically and automatically allocated to devices on the LAN.

It allows fast LAN deployment for non-experts.

Alcatel OmniPCX Office incorporates internet, voice and data into a single box.

Part of a comprehensive solution

LAN users benefit from embedded OmniPCX applications such as secure shared internet access, integrated e-mail server, and CTI server. Mobile employees can even access the LAN when away from the office, through a secured VPN connection.

Alcatel OmniPCX Office provides an integrated LAN to internet solution, supporting multiple WAN connections from 64 Kbps ISDN up to 2Mbps ADSL and leased lines.



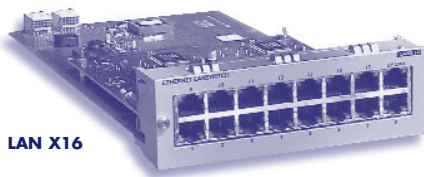
LAN infrastructure

Alcatel OmniPCX Office integrated LAN switch consists of up to 6 LAN switchboards inserted into OmniPCX Rack standard slots. OmniPCX Office powers the board, with battery backup.

Alcatel OmniPCX LAN switchboards come in 8 or 16 port capacities, both featuring the same level of services. Each port delivers full 100 Mbps throughput and can downgrade to 10 BT with the autosensing feature which detects whether the attached device is 10 BT or 100 BT. Use of bandwidth is always optimized through the store and forward mechanism (which discards bad packets entering the LAN) and the flow control mechanism (which warns senders to decrease transmission in the event of congestion).

LAN X8/LAN X16 product specifications

- 8 or 16 Ethernet ports
- Autosense 10 BaseT/100 BaseTX ports
- RJ-45 connector
- 802.3u Fast Ethernet 100 BaseTX
- 802.3x flow control

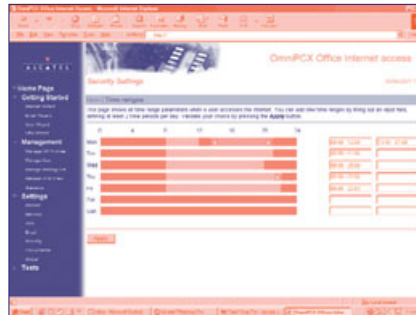


LAN X16

IP devices configuration

DHCP server

Alcatel OmniPCX Office embeds a DHCP server that automatically and dynamically allocates IP addresses on the LAN. This allows easy installation of new IP devices on the LAN without any need for manual configuration.



LAN and the internet

Router and firewall

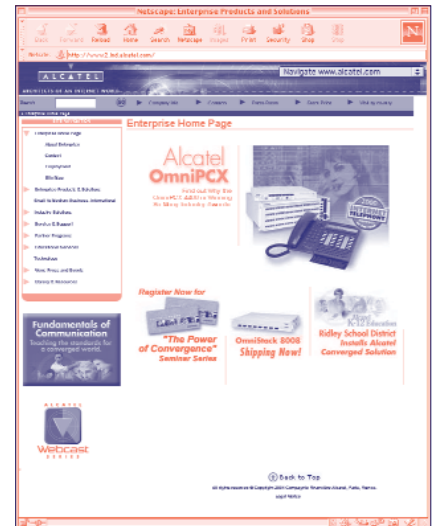
Alcatel OmniPCX Office integrated internet access router provides LAN users with high speed access to the internet. The embedded certified firewall protects the LAN against intrusion and attacks.

Applications

LAN users also benefit from many other Alcatel OmniPCX Office internet features such as DNS, proxy, caching, e-mail server and VPN.

Internet connection

Alcatel OmniPCX Office supports a wide range of LAN to internet connections from 64 Kbps ISDN up to 2Mbps ADSL and leased lines.



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