



INTEGRATED LAN SOLUTION

Alcatel **OmniPCX** *Office*

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. Their Fast Ethernet technology boosts the LAN network performance, thus allowing large file transfer, trouble-free use of databases and multimedia application access.**

Performance

The Alcatel **OmniPCX** *Office* integrated LAN board delivers Fast Ethernet switching. With up to 1 Gbps* throughput, it allows trouble-free large file transfer, database use and multimedia application access.

Scalability

The Alcatel **OmniPCX** *Office* integrated LAN is modular and offers a cost-effective solution from 8 to 168 ports. The LAN boards embed uplink ports to further expand the network through other switches or to reuse existing hubs.

Simplicity

The Alcatel **OmniPCX** *Office* integrated LAN is designed for plug-and-play installation. With 10 Mbps to 1 Gbps* auto-sensing, 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. This allows non-experts to quickly deploy the LAN.

The Alcatel **OmniPCX** *Office* incorporates Internet, voice and data into a single box.

Part of a Comprehensive Solution

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

The Alcatel **OmniPCX** *Office* provides an integrated LAN to Internet solution, supporting multiple WAN connections from 64 Kbps ISDN up to 10 Mbps ADSL and leased lines.

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Alcatel **OmniPCX Office**

LAN Infrastructure

The Alcatel **OmniPCX Office** integrated LAN switch consists of up to 12 LAN switchboards inserted into **OmniPCX Rack's** standard slots. The **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 service.

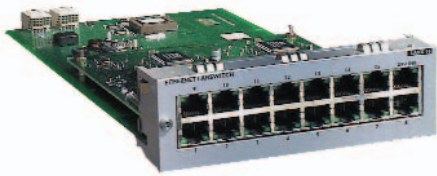
Each port supports automatic MDI/MDIX detection* for real "plug and play" capability and elimination of crossover cables confusion. Each port delivers full 100 Mbps throughput and can be downgraded to 10 Mbps with the auto-sensing feature that detects whether the attached device is 10 BT or 100 BT.

In addition, 1 or 2 ports even provide a 1 Gbps throughput* for uplink or larger data transmission such as multimedia application access.

Use of bandwidth is always optimized through the store and forward mechanism (that discards bad packets entering the LAN) and the flow control mechanism (that warns senders to decrease transmission in the event of congestion).

LAN PRODUCT SPECIFICATIONS

- 8 or 16 Ethernet ports.
- Auto-sense 10 BaseT/100 BaseTX/1000 BaseT* ports.
- RJ-45 connector.
- 802.3u Fast Ethernet 100 BaseTX.
- 802.3x flow control.
- 802.3ab Gigabit 1000 BaseT*.



IP Devices Configuration

DHCP Server

The 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

The 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

The Alcatel **OmniPCX Office** supports a wide range of LAN to Internet connections from 64 Kbps ISDN up to 10 Mbps ADSL and leased lines.

*Country-dependent.

