



POWERFUL AND MODULAR ARCHITECTURE

Alcatel **OmniPCX Office**



The Alcatel OmniPCX Office is a simple, powerful e-communication appliance that makes Internet, e-mail, LAN and advanced telecommunications available to small and medium-sized businesses. It is a modular all-in-one-box solution that is easy to learn, simple to install and maintain, fully cost-controllable and expands readily as your company grows.

E-communication: Voice, Internet and Data

The Alcatel **OmniPCX Office** integrates voice, Internet and data into a single system.

And since it works on any infrastructure for data access network and voice access network, it offers a solution for any existing infrastructure:

- ISDN T0/T1/T2
- PSTN
- ADSL
- Frame Relay, IPVPN
- Private Network QSIG/ISVPN.

All-In-One-Box Appliance

The Alcatel **OmniPCX Office** is an appliance, i.e. a server with pre-configured applications. It integrates multiple functions into a single device:

- Internet routing
- Firewall
- Proxy/cache server
- Call server
- E-mail server
- Intranet server
- File server
- DHCP server
- DNS server
- CTI server
- LAN.

As a result, the Alcatel **OmniPCX Office** is highly cost-effective. It uses a single infrastructure for both voice and data, allows shared and secured Internet access, and is very easy to manage because all applications are embedded.

Standard Protocols

Alcatel is the first leading manufacturer in its field to adopt Linux, an operating system that is widely accepted throughout the computer industry. Linux is a reliable, extremely powerful and stable operating system, compatible with numerous applications and with Internet services in particular (since it integrates the main Internet protocols). What is more, since the Alcatel **OmniPCX Office** is based on standard protocols CSTA, TAPI and IP, it is open to a wide variety of applications developed by Alcatel and its partners.

Modularity and Scalability

The Alcatel **OmniPCX Office** offers a high degree of scalability. To cover the entire market segment (from 6 up to 236 users), the Alcatel **OmniPCX Office** is available in 3 different data form factor modules that can easily be mounted in a 19-inch cabinet or wall-mounted.

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Alcatel **OmniPCX Office**

Alcatel **OmniPCX Office Rack 1**



Alcatel **OmniPCX Office Rack 2**

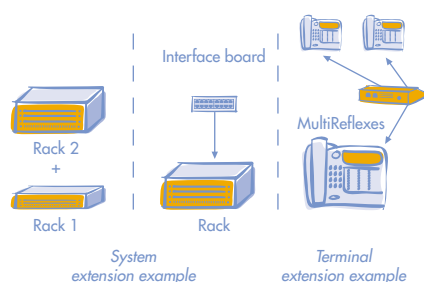


Alcatel **OmniPCX Office Rack 3**



The Alcatel **OmniPCX Office** allows considerable flexibility of configurations and services, thanks to its modular hardware architecture and universal back panel slots. With its unified software, the Alcatel **OmniPCX Office** expands simply by adding cabinets, interface boards and MultiReflexes.

In addition, thanks to the software licenses, the **OmniPCX Office** fits the various needs of all types of customers by providing them with the level of features and services they require.



Boards

Processing Unit

- Operating system: LINUX 2.4
- Business Processing Unit (CPU-1) for voice and data application
- E-Business Processing Unit (CPUe-1) for Internet, voice and data application
- Expansion Module: use for cabinet expansion.

Co-Processing Units

- Co-Processing Unit (CoCPU-1): for VoIP (with VoIP daughterboard 4/8/16 DSP channels) and ISDN RAS service.

Interface Boards

Terminals

- Digital Interfaces UAI 4, 8, 16
- Analog Interfaces SLI 4, 8, 16.

Public Network Access

- BRA boards (T0) 2, 4, 8
- PRA boards (T1, T2)
- Analog trunk boards (APA) 4, 8
- Mixed boards T0/UA/SL 2/4/4, 4/4/8, 4/8/4, 0/4/4, 0/4/8, 0/8/4.

LAN

- Ethernet LANswitch LanX 8,16 10/100 BT auto-sense unmanaged.

System

System	Maximum Capacities
Rack 1 / Rack 2 / Rack 3	3 slots / 6 slots / 9 slots
Rack 1 (H/L/D)	66/440/400 mm
Rack 2 (H/L/D)	110/440/400 mm
Rack 3 (H/L/D)	154/440/400 mm
Any combination up to 3 racks	Up to 27 slots
Co-Processing CPU (CoCPU-1)	6
DSP channels on CoCPU-1	96
Hard Disk	1
Hard Disk capacity	10/20 Gbytes
Maximum users	236
Reflexes sets	236
Mobile Reflexes	120
e-Reflexes/ PIMphony IP	200
Analog sets	196
H323 clients	150

Communication Ports

Communication Ports	Maximum Capacities
User ports (Reflexes + Analog)	200
MultiReflexes Hubs	18
LANswitch boards	12
Free LANswitch ports	168
Analog trunks	72
Primary Rate Access	9
Basic Rate Access	12
IP trunks	96
Total Trunks	120