

# Powerful & modular architecture

Alcatel OmniPCX Office is a simple, powerful e-communication appliance that makes internet, e-mail, LAN and advanced telephony available to small and medium-sized businesses. It is a modular all-in-a-box solution that is easily acquired, simple to install and maintain, fully cost controllable, and is easy to evolve as the company grows.



## E-communication: internet, voice and data

Alcatel OmniPCX Office integrates internet, voice and data into a single system. And because it works on any infrastructure for data access network and voice access network, it offers a solution whatever the existing infrastructure:

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

## All-in-a-box appliance

Alcatel OmniPCX Office is an appliance, i.e. a server with preconfigured applications. It integrates multiple functions in a single device:

- router, firewall,
- proxy/cache server
- call server
- e-mail server
- DHCP server
- DNS server
- CTI server
- LAN

As a result, 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 with broad acceptance across the computer industry. Linux is a reliable, extremely powerful and stable operating system, compatible with numerous applications and especially with internet services (since it integrates the main internet protocols). What's more, because Alcatel OmniPCX Office is based on standard protocols CSTA, TAPI and IP, it is open to a wide choice of applications developed by Alcatel and its partners.



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## Modularity and scalability

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

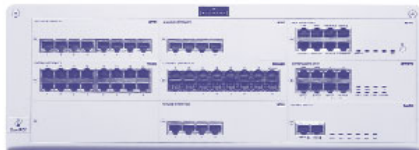
Alcatel OmniPCX Office Rack 1



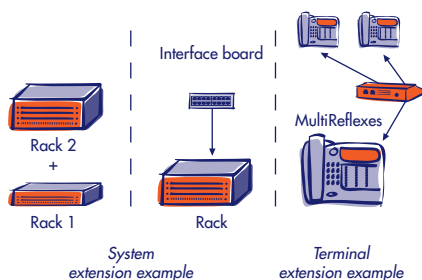
Alcatel OmniPCX Office Rack 2



Alcatel OmniPCX Office Rack 3



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



## Boards

### Processing Unit

- Operating system: LINUX
- Standard Processing Unit (CPU): voice and data application
- Enhanced Processing Unit (CPUe): Internet access, voice and data application
- Daughter boards: Auxiliary functions, XMem or Hard Disk, HSL
- Expansion Module: use for cabinet expansion

### Co-Processing Units

- VoIP Co-processing Unit (CoCPU): with VoIP daughterboard 4/8/16 DSP channels
- Internet Co-processing Unit (CoCPU@): internet (proxy, cache), e-mail, VPN and WAN daughterboard for external DSL modem or for external router (LAN-LAN routing)
- Daughterboard: SLANX4 for processing unit and Co-processing units interconnection

### Interface boards

#### Terminals

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

#### WAN

- BRA boards (T0) 2, 4, 8
- PRA boards (T1, T2) 1
- Analogue trunk<sup>(1)</sup> 2,4
- 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

<sup>(1)</sup> Available in release 1.1

System	Maximum Capacities
Rack 1 / Rack 2 / Rack 3	3 slots / 6 slots / 9 slots
Rack 1	66/440/400 mm
Rack 2	110/440/400 mm
Rack 3	154/440/400 mm
Any combination up to 3 racks	Up to 27 slots
Co-processing CPU (CoCPU) of which 1 CoCPU@ max per system	6
DSP channels on CoCPU	96
Hard Disk	2
Hard Disk capacity	6 Gbytes
Maximum users	236
UA sets	236
Mobile Reflexes	235
IP Reflexes/ PIMphony IP	200
Analog sets	196
H323 sets	150

### Communication ports

Communication ports	Maximum capacities
User ports (Reflexes + Analog)	200
MultiReflexes Hubs	18
LANswitch boards	6 LANX16
Free LANswitch port	84
Analog trunks (NDD/DDI-TieLine)	72
Primary Rate Access	9
Basic Rate Access	12
IP trunks	120
<b>Total Trunks</b>	<b>120</b>



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