

# Alcatel-Lucent OmniPCX Enterprise Communication Server

## **Alcatel-Lucent AP Interface Module**



**Legal notice:**

Alcatel, Lucent, Alcatel-Lucent and the Alcatel-Lucent logo are trademarks of Alcatel-Lucent. All other trademarks are the property of their respective owners.

The information presented is subject to change without notice.

Alcatel-Lucent assumes no responsibility for inaccuracies contained herein.

Copyright © 2007 Alcatel-Lucent. All rights reserved.

---

The CE mark indicates that this product conforms to the following Council Directives:

- 89/336/CEE (concerning electro-magnetic compatibility)
- 73/23/CEE (concerning electrical safety)
- 1999/5/CE (R&TTE)



---

# *Alcatel-Lucent AP Interface Module*

## **Chapter 1** Hardware description

---

<b>1.1</b>	<b>Overview .....</b>	<b>1.1</b>
<b>1.2</b>	<b>Compliant Standards .....</b>	<b>1.1</b>
<b>1.2.1</b>	<b>Safety Requirements .....</b>	<b>1.1</b>
<b>1.2.2</b>	<b>ECM .....</b>	<b>1.2</b>
<b>1.2.3</b>	<b>Analog Transmission .....</b>	<b>1.2</b>
<b>1.2.4</b>	<b>Environment Classes .....</b>	<b>1.2</b>
<b>1.2.5</b>	<b>Eco Design .....</b>	<b>1.2</b>

## **Chapter 2** Hardware configuration

---

<b>2.1</b>	<b>Overview .....</b>	<b>2.1</b>
<b>2.2</b>	<b>Jumper .....</b>	<b>2.1</b>

## **Chapter 3** External connections

---

<b>3.1</b>	<b>Connecting Alcatel-Lucent AP Interface Module .....</b>	<b>3.1</b>
<b>3.2</b>	<b>Rear Panel Details .....</b>	<b>3.1</b>
<b>3.3</b>	<b>Power Supply Details .....</b>	<b>3.3</b>
<b>3.4</b>	<b>Environment .....</b>	<b>3.3</b>

**1.1 Overview**

The Alcatel-Lucent AP Interface Module (AP for Analog Peripheral) allows an analog device such as fax, modem, minitel, answering machine to be connected to the Alcatel-Lucent OmniPCX Enterprise Communication Server via a UA link.

The Alcatel-Lucent AP Interface Module is also called AP module.

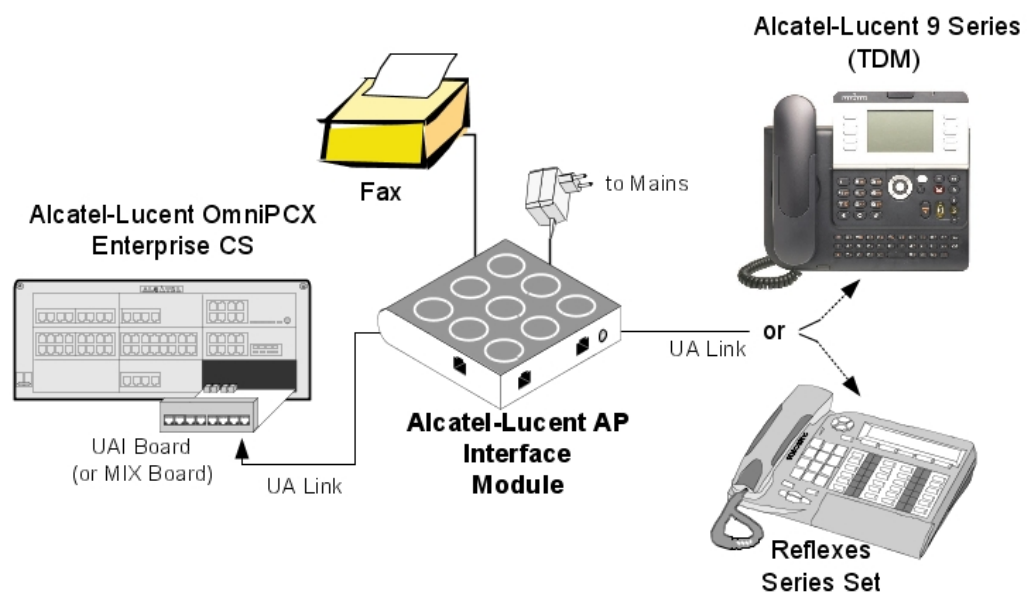


Figure 1.1: Example of Configuration with an Alcatel-Lucent AP Interface Module

Alcatel-Lucent AP Interface Module can be used alone or combined with an Alcatel-Lucent 9 Series set (TDM set) or a Reflexes Series set. In this document, those sets are called UA sets.

Alcatel-Lucent AP Interface Module powers the analog device (DTMF signalling, ringer) and, to do this, requires an external power supply (230V AC/30V AC adapter). In this document, this set is called Z set.

*Note:*

*Alcatel-Lucent AP Interface Module replaces the former device called Analog TA (4095).*

**1.2 Compliant Standards****1.2.1 Safety Requirements**

- EN60950: European requirements

- UL 1950: US requirements
- CAN/CSA-C22.2 No 950-95: Canada

### **1.2.2 ECM**

- EN55022: Limits and methods of measurement of radio interference characteristics of information technology equipment
- EN55024: Limits and methods of measurement of immunity characteristics of information technology equipment
- FCC part15: US requirements

### **1.2.3 Analog Transmission**

- ETS 300 439: Business TeleCommunications (BTC); Transmission characteristics of digital Private Branch eXchanges (PBXs)
- TBR21: Attachment requirements for pan-European approval for connection to PSTN of TE (excluding TE supporting the voice telephony service) in which network addressing, if provided, is by means of DTMF signalling

### **1.2.4 Environment Classes**

- ETS 300 019: Environmental conditions and tests for telecommunication equipment:
  - Part 1-1: Storage
  - Part 1-2: Transportation
  - Part 1-3: Environmental conditions

### **1.2.5 Eco Design**

ISO 14040: Environmental management – Life cycle assessment – Principles and framework (1997)

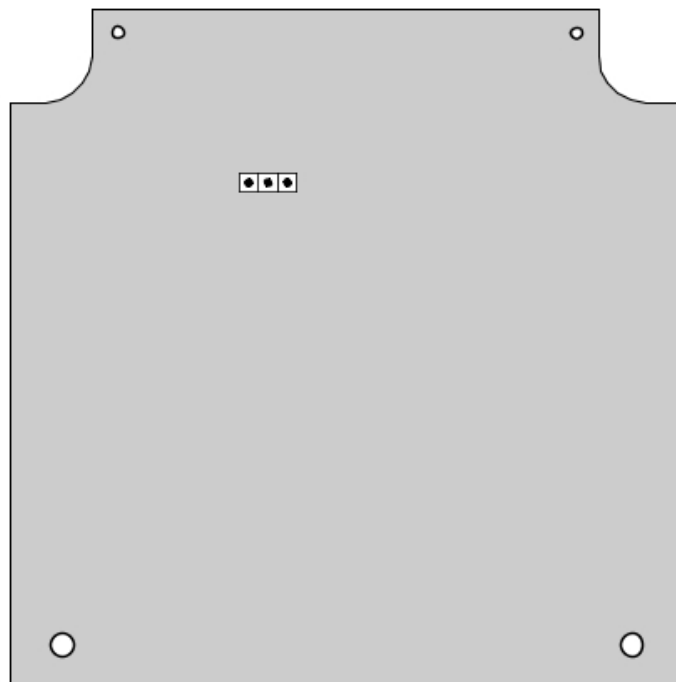
# Chapter 2

## Hardware configuration

### 2.1 Overview

Commercial Serial number: 3GV27014xx

Technical Serial number: 3GV26014xx



*Note:*

*xx represents 2 letters depending on country.*

### 2.2 Jumper

The jumper in a gray background is factory installed.

	Associated UA set	Stand alone
Operating mode		

To configure the Alcatel-Lucent AP Interface Module, open the device with the 2 screws, located under the module.

If the jumper is positioned for "stand-alone" operation, an associated set cannot work.

If the jumper is positioned for "associated UA set" operation, an associated set is mandatory, the Interface Module cannot work without it.



# Chapter 3

## External connections

### 3.1 Connecting Alcatel-Lucent AP Interface Module

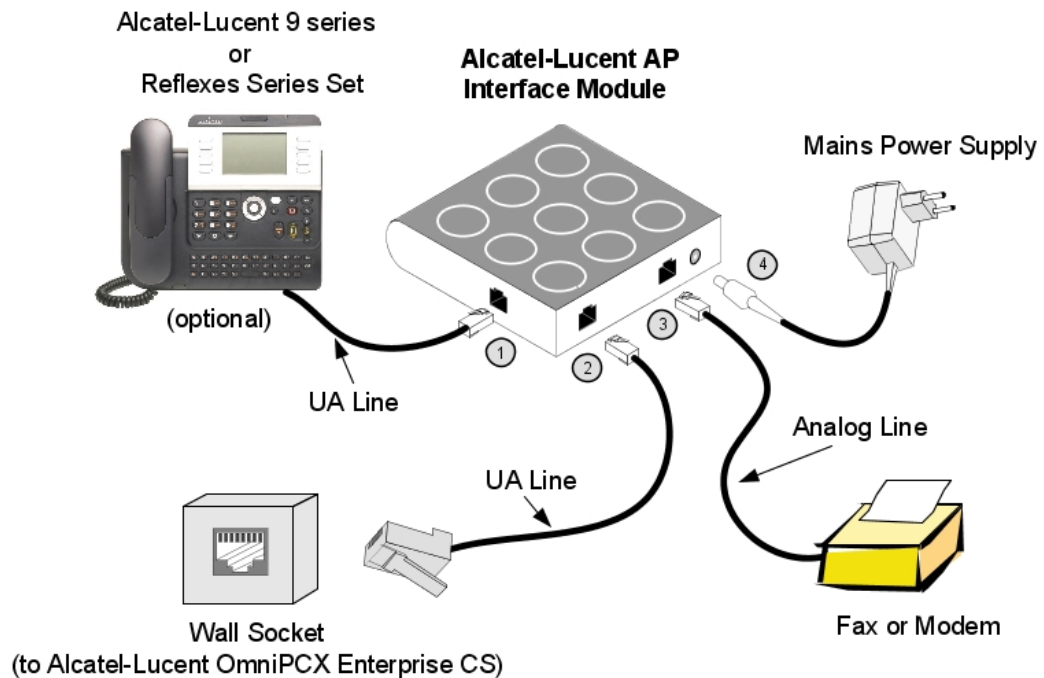


Figure 3.1: Alcatel-Lucent AP Interface Module Connections

The Alcatel-Lucent AP Interface Module is connected to:

1. UA set ( RJ11/RJ11 cable). 3 m maximum length
2. Alcatel-Lucent OmniPCX Enterprise CS via a wall socket and a distributor frame. Connect an AP module is identical to connect a UA set. Its connection is described in module UA 4035 set (Advanced) - Connecting the UA 4035 (Advanced) Set . Maximum length between AP module and PCX depends on cable quality. For example:
  - LY 0.5 mm cable: up to 800 m
  - Ref 278 0.6 mm cable: up to 1200 m
3. Analog device with a RJ45 or RJ11 cable. 100 m maximum length
4. Power supply unit (see details below)

**Caution:**

**The mains power supply unit is used as a sectioning device. This device should be easily accessible.**

### 3.2 Rear Panel Details



Figure 3.2: Alcatel-Lucent AP Interface Module Rear Panel

1. Socket for UA line to PCX
2. RJ45 socket for analog device connection
3. Power supply socket

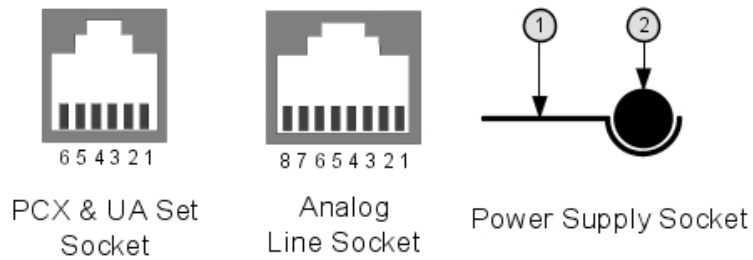


Figure 3.3: Socket Details

PCX and UA set socket:

Pin	Description
1	Not used
2	External Ringing 1
3	UA line 1
4	UA line 2
5	External Ringing 2
6	Not used

Analog device socket:

Pin	Description
1	Not used
2	Not used
3	Not used

4	Analog line
5	Analog line
6	Not used
7	Not used
8	Not used

Power supply connector:

Pin	Description
1	26V AC
2	26V AC

### 3.3 Power Supply Details

The power supply unit depends on country:

Reference	Characteristics	Country
1AF01101BAAA	230V AC/26V AC 130mA	Europe
1AF01101DAAA	230V AC/26V AC 130mA	UK
1AF01101AAAA	115V AC/26V AC 130mA	USA

### 3.4 Environment

Working temperature: 5°C to 45°C

Stocking temperature: -40°C to 70°C

Relative humidity: 5% to 85%

