Alcatel-Lucent OmniPCX Enterprise Communication Server

Alcatel-Lucent AP Interface Module
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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)
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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.

1.2 Compliant Standards

1.2.1 Safety Requirements

- EN60950: European requirements
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
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.
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.
3.1 Connecting Alcatel-Lucent AP Interface Module

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:

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Not used</td>
</tr>
<tr>
<td>2</td>
<td>External Ringing 1</td>
</tr>
<tr>
<td>3</td>
<td>UA line 1</td>
</tr>
<tr>
<td>4</td>
<td>UA line 2</td>
</tr>
<tr>
<td>5</td>
<td>External Ringing 2</td>
</tr>
<tr>
<td>6</td>
<td>Not used</td>
</tr>
</tbody>
</table>

### Analog device socket:

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Not used</td>
</tr>
<tr>
<td>2</td>
<td>Not used</td>
</tr>
<tr>
<td>3</td>
<td>Not used</td>
</tr>
</tbody>
</table>
4 Analog line
5 Analog line
6 Not used
7 Not used
8 Not used

Power supply connector:

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>26V AC</td>
</tr>
<tr>
<td>2</td>
<td>26V AC</td>
</tr>
</tbody>
</table>

### 3.3 Power Supply Details

The power supply unit depends on country:

<table>
<thead>
<tr>
<th>Reference</th>
<th>Characteristics</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>1AF01101BAAA</td>
<td>230V AC/26V AC 130mA</td>
<td>Europe</td>
</tr>
<tr>
<td>1AF01101DAAA</td>
<td>230V AC/26V AC 130mA</td>
<td>UK</td>
</tr>
<tr>
<td>1AF01101AAAA</td>
<td>115V AC/26V AC 130mA</td>
<td>USA</td>
</tr>
</tbody>
</table>

### 3.4 Environment

Working temperature: 5°C to 45°C
Stocking temperature: -40°C to 70°C
Relative humidity: 5% to 85%
Chapter 3

External connections