

Figure 3.1: Installation Diagram

Daughterboard position:

Slot	INT-IPA	INT-IPB
1	Yes	Yes
2	Only if slot 1 is busy	No
3	Only if slots 1 and 2 are busy	No

3.2 Ethernet Network Connection

3.2.1 INT-IP3 Board in Coupler Mode

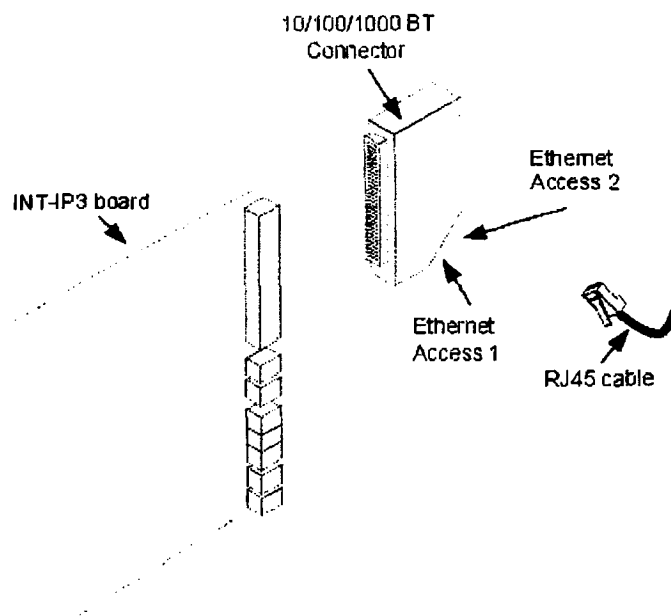


Figure 3.2: Connection Diagram for the INT-IP3 Board

Only one Ethernet access (1 or 2) can be used at the same time.

The 10/100/1000 Base-T connector (ref: 3BA23278AA) ensures the connection to the Ethernet network through an RJ45 cable.

Note:

The 10/100/1000 Base-T connector (ref: 3BA23278AA) is not compatible with the former generation of INT-IP and INT-IP2 boards.

3.2.2 INT-IP3 Board in CPU Mode

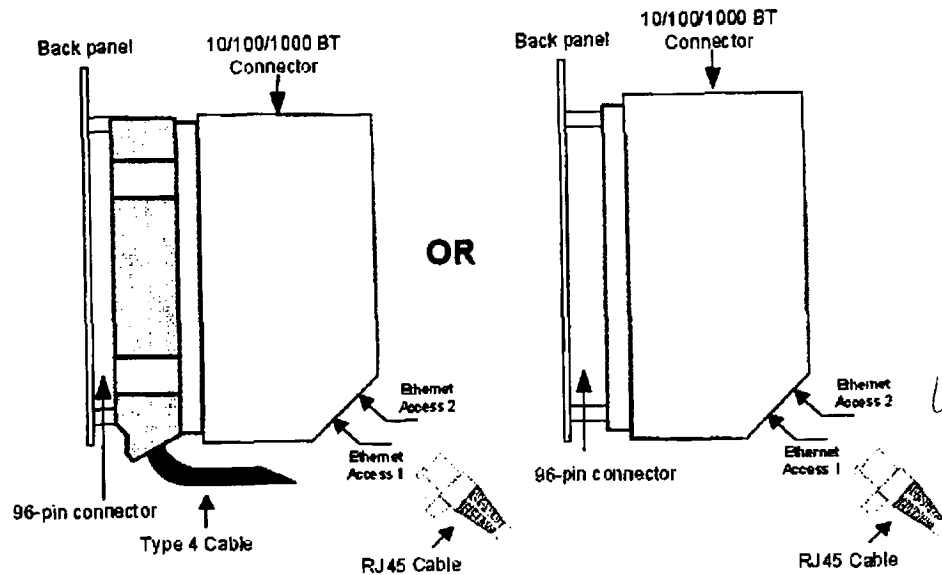


Figure 3.3: Connection Diagram for the INT-IP3 Board in CPU Mode

Only one Ethernet access (1 or 2) can be used at the same time.

The 10/100/1000 Base-T connector (ref: 3BA23278AA) ensures the connection to the Ethernet network through an RJ45 cable.

A type 4 cable (optional) is used to connect alarm and trunk diversion. For more information, see: TY4 cable - Hardware description.

3.3 Connecting a Console for Static Configuration

For static configuration of the INT-IP3 board, a VT100 console (or emulation) must be connected as follows:

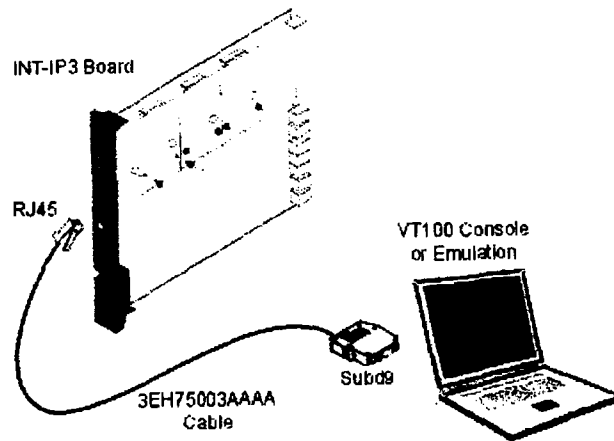


Figure 3.4: Connection for Static Configuration

The console must be configured as follows:

- Baud rate: 9600bps
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow control: XON/XOFF

Front Panel V24 Connector Output Pins (RJ45):

Pin	Signal	Description
1		Data reception
2		
3	RD	
4	GND	Data transmission
5	GND	
6	TD	Transmission Request
7		
8	RTS	

Caution:

The V24/RJ45 cable (3EH75003AA) used for INT-IP3 static configuration is not compatible with first generation INT-IP boards.

This cable can also be used for static configuration of:

- INT-IP2 board

- Common hardware boards

3.4 PSAL Connection

In CPU mode, the INT-IP3 board is installed in a remote ACT. The PSAL wire must be connected to this remote ACT for the INT-IP3 board to start.

For more information on PSAL connection, see the cabinet documentation.

3.5 Board Output Pins

View of the back panel				
	A	B	C	NOTE
1				
2				
3				
4				
5				
6				
7		GND		
8		GND		
9	TR1	GND	TR2	TR0, TR1: Music-on-hold input
10				
11	RXDC	RL1	TXDC	RL0, RL1: wires for network line forwarding
12		RL2		
13		AL1		Alarms
14		AL2		
15	ETH2_Led1	GND	ETH2_Led2	LAN2 Status ETH2_Led1: good link ETH2_Led2: activity
16	PROG_BOOT_OUT	GND	PROG_BOOT_IN	
17	ETH1_Led1		ETH1_Led2	LAN1 Status ETH2_Led1: good link ETH2_Led2: activity
18	SYNC_OUTA		SYNC_OUTB	DECT Synchro
19	SYNC_INA		SYNC_INB	DECT Synchro
20			ALCV	Alarm Converter

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View of the back panel				
	A	B	C	NOTE
21	LAN_2_TR1P		LAN_2_TR0P	LAN2
22	LAN_2_TR1N		LAN_2_TR0N	
23	GND	GND	GND	
24	LAN_2_TR3P	GND	LAN_2_TR2P	
25	LAN_2_TR3N	GND	LAN_2_TR2N	
26	GND		GND	LAN1
27	LAN_1_TR2P		LAN_1_TR3P	
28	LAN_1_TR2P		LAN_1_TR3N	
29	GND		GND	
30	GND	GND	GND	
31	LAN_1_TR0P	GND	LAN_1_TR1P	
32	LAN_1_TR0N	GND	LAN_1_TR1N	

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Alcatel-Lucent OmniPCX Enterprise Communication Server

S and L Racks - Presentation



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Un. 283112

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- 2004/108/EC (concerning electro-magnetic compatibility)
- 2006/95/EC (concerning electrical safety)
- 1999/5/EC (R&TTE)

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W. B. B. B.

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1 Hardware description

1.1 Racks Description

The OmniPCX Enterprise uses the same racks as the OmniPCX Office.

There are four rack models in 19" format (two 1U type racks and two 3U type racks), all designed to be mounted in a computer cabinet or placed on a shelf. The rack footprint is identical, allowing easy stacking of racks.

The only functional difference between 1U and 3U type racks is the number of boards they can contain.

The difference between the two types of 1U rack and the two types of 3U racks is the presence of internal batteries.

One of the 1U racks and one of the 3U racks have internal batteries. As of Release R5.1.2, the other 1U and 3U rack have external batteries.

As of R5.1.2, all types of racks can coexist.

An Common Hardware Media Gateway comprises a main rack and one or two extension racks if necessary.

1.1.1 S (SMALL) Rack

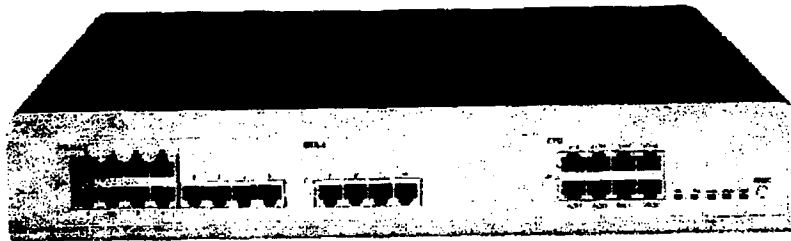


Figure 1.1: Small Rack Front Panel

- 28 ports maximum
- One controller slot + two all-purpose slots
- Dimensions: H = 66 mm (2.6")/ W=442 mm (17")/ D = 400 mm (15.7")
- Weight: 6 kg (13.2 lb)

1.1.2 L (LARGE) Rack

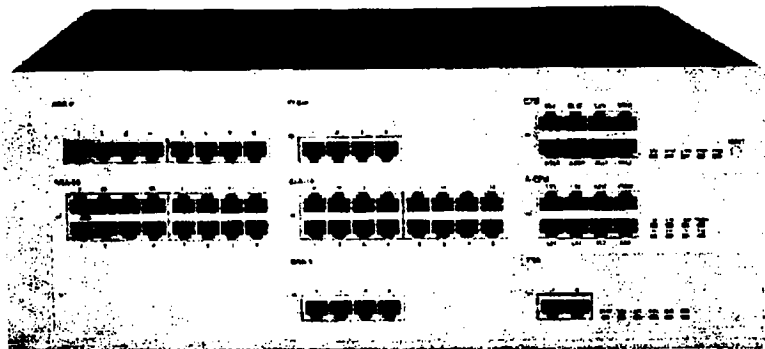


Figure 1.2: Large Rack Front Panel

- 96 ports maximum
- One controller slot + one all-purpose slot + seven specific slots
- Dimensions: H = 154 mm (6")/ W=442 mm (17")/ D = 400 mm (15.7")
- Weight: 13 kg (28.6 lb)

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1.2 Boards Description

BOARDS	FUNCTIONS	DAUGHTERBOARDS	CONNECTION
CS (See note below)	Call server Voice mail (4645)	XMEM: IDE hard drive interface SLANX: LAN Switch	Hub, Lanswitch, V24 terminal, Ethernet
CS-2	Call server Voice mail (4645)	SLANX4: LAN Switch (optional)	Hub, Lanswitch, V24 terminal, 2 Ethernet interfaces
GD	Media Gateway controller Switching Voice over IP Tone generator Voice guides Three party conference n party conference DTMF (touchtone) generator and detector Modem	HSL1, HSL2: interconnection with extension modules (optional) MCV24/8 or MADA3/1: compression / decompression of voice channels for VoIP applications (optional) See note below. AFU: Auxiliary Function Unit: audio input/output (optional)	Hub, Lanswitch, V24 terminal, Ethernet On-hold message device Background music tuner External loudspeaker, General ringing

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Hardware description

BOARDS	FUNCTIONS	DAUGHTERBOARDS	CONNECTION
GD-3	Media Gateway controller Switching Voice over IP Tone generator Voice guides Three party conference n party conference DTMF (touchtone) generator and detector Modem	HSL1, HSL2: interconnection with extension modules (optional) ARMADA: compression / de-compression of voice channels for VoIP applications (optional) See note below. AFU: Auxiliary Function Unit: audio input/output (optional)	Hub, Lanswitch, V24 terminal, Ethernet On-hold message device Background music tuner External loudspeaker, General ringing
GA	Auxiliary board (extends GD resources)	SLANX: LAN Switch (optional) MCV24/8 or MADA3/1 (optional). See note below.	Hub, Lanswitch, V24 terminal, Ethernet
GA-3 (See note below.)	Auxiliary board (extends GD resources)	SLANX: LAN Switch (optional) ARMADA (optional). See note below.	Hub, Lanswitch, V24 terminal, Ethernet
MEX /	Extension module controller Three party conference	HSL1: interconnection with the main rack	
PowerMEX	Extension module controller Three party conference	HSL1: interconnection with the main rack	
UAI4 / UAI4-1 UAI8 / UAI8-1 UAI16 / UAI16-1	Four, eight or 16 UA devices		Alcatel Reflexes sets, DECT base stations
SLI4 / SLI4-1 SLI8 / SLI8-1 SLI16 / SLI16-1	Four, eight or 16 Z devices		Z analog terminals
BRA2 BRA4 BRA8	Two, four or eight T0 public network basic rate accesses or S0-FV (Germany)		ISDN network

GA-3 = 283/16

UAI, 283/16

UAI, 283/16

Chapter 1 Hardware description

BOARDS	FUNCTIONS	DAUGHTERBOARDS	CONNECTION
PRA-T1 (CCS mode) T1 CAS (CAS mode) PRA-T2 PRA DASS2 PCM R2	PRA-T1 and T1 CAS: 23 B channels + one D channel PRA-T2: T2 public network access PRA DASS2: DASS2 public network access PCM R2: 30 B channels (64 Kbits/s) + one signaling channel (4 Kbits/s); 2048 Kbits/s		PRA-T1 and T1 CAS: Public network PRA-T2: ISDN network, ABC or QSIG network PRA DASS2: DASS2 ISDN network PCM R2: public network
APA4 APA8	Four or eight analog Trunk Line (TL) devices	METCLI: charge unit receiver (optional) GSCLI: "ground start" board enables "ground start signaling", mainly used in the USA (optional) CLIDSP: enables CLIP (Calling Line Identification Protocol) (optional) As from R5.1.2 the CLIP feature is available for the USA	Analog Trunk Line (TL) and TL-SUBS diversion
MIX2/4/4 MIX4/8/4 MIX4/4/8 MIX0/4/4 MIX0/8/4 MIX0/4/8	Zero, two or four T0 base accesses + four or eight UA devices + four or eight Z devices		ISDN network, Z analog terminals and Alcatel Reflexes sets
LANX16 / LANX16-1	16 Ethernet 10/100 BT ports		IP phones, Lanswitch, Hub, etc.
LANX8-2	7 10/100BaseT ports and one 10/100/1000BaseT port		IP phones, Lanswitch, Hub, etc.
LANX16-2	14 10/100BaseT ports and two 10/100/1000BaseT ports		IP phones, Lanswitch, Hub, etc.
RMA	Remote maintenance		See the RMA documents
MODB	Modem support	Modem	See the RMA documents

Note 1:

As of R6.0, MADA1 and MADA3 boards replace respectively MCV8 and MCV24 boards. They offer an echo depth of 128 ms instead of 32 ms (system option to be configured in MAO).

Note 2:

ARMADA daughterboard: due to a power supply limitation, only one ARMADA daughterboard is allowed in a rack.

Note 3:

GA-3 board: due to a power supply limitation:

- The GA-3 board cannot be hosted in a small rack
- Only one GA-3 board can be hosted in the large main rack
- Two GA-3 boards can be hosted in the large extension rack

1.2.1 CS Board

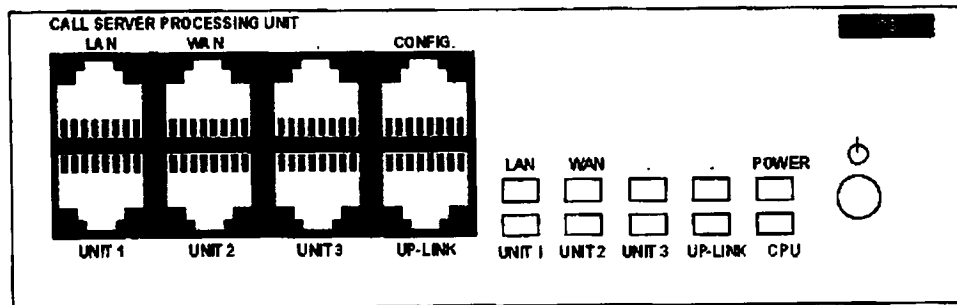


Figure 1.3: CS Board Front Panel

The CS board offers the following features:

- Call server
- 4645 Voice mail (optional)

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1.2.1.1 LED Meanings

Name	Function
CPU	Flashing green: CPU operating correctly
LAN	Green: LAN operating correctly (flashes to indicate traffic)
WAN	Green: WAN operating correctly (flashes to indicate traffic)
UNIT 1-3 UPLINK	Green: LAN switch 1 interface operating correctly (flashes to indicate traffic)


1.2.1.2 CS Board Micro Switches Setting

The CS board setting of micro switches depends on board position in the rack:

CS board position	Micro switches value	Micro switches setting
Controller position	0x09	

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CS board position	Micro switches value	Micro switches setting
Other positions	0x01	

Caution:

In controller position, if the CS board setting of micro switches does not correspond to the 0x09 value, the CS board cannot monitor the activity of an optional external batteries rack.

1.2.2 CS-2 Board

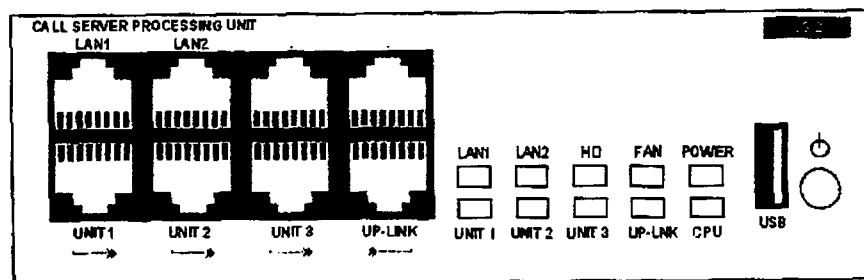


Figure 1.4: CS-2 Board Front Panel

The CS-2 board offers the following features:

- Call server
- 4645 Voice mail (optional)

In addition, this board can act as a PCS (Passive Call Server) without restriction.

1.2.2.1 External Interfaces

- **LAN1:** 10/100/1000 BaseT Ethernet access
- **LAN2:** redundant 10/100/1000 BaseT Ethernet access
- . (top right): V24 access to system configuration and remote reset signal coming from an RMA box
- **UNIT1, UNIT 2, UNIT 3, UP-LINK:** 4 ports 10/100BT LAN switch (if the SLANX4 daughterboard is present)
- **USB:** not used

1.2.2.2 LED Meanings

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Name	Function
LAN1	<ul style="list-style-type: none"> - Green: LAN port 1 operating correctly - Flashing green: Ethernet traffic detected, flash speed increases with traffic
LAN2	<ul style="list-style-type: none"> - Green: LAN port 2 operating correctly (the dual Ethernet feature is configured) - Flashing green: Ethernet traffic detected, flash speed increases with traffic
HD	Green: hard disk activity
FAN	<ul style="list-style-type: none"> - Green: fans operating correctly - Red: 1 or 2 fan(s) out of service
Power	<ul style="list-style-type: none"> - Green: operating on mains - Yellow: operating on battery - Flashing red: shutdown in progress - Red: shutdown complete - Off: power off
UNIT 1-3 UPLINK	Green: LAN switch 1 interface operating correctly (flashes to indicate traffic)
CPU	Flashing green: CPU operating correctly

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1.2.2.3 Daughterboards

The CS-2 board supports the SLANX4 daughterboards (optional). This daughterboard provides a 4 ports 10/100BT LAN switch. This switch cannot be configured.

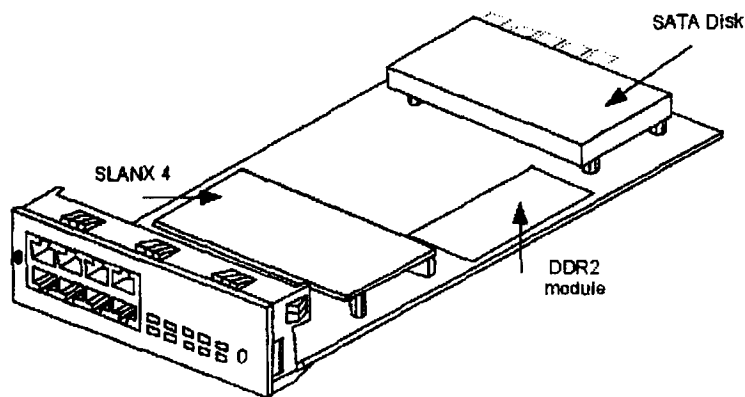


Figure 1.5: CS-2 Daughterboards Installation

1.2.2.4 Dual Ethernet

Two dual Ethernet modes are available:

- Ethernet Redundancy
- Ethernet Load Balancing

1.2.2.4.1 Ethernet Redundancy

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The CS-2 board supports the Ethernet redundancy feature (also called hot standby or dual Ethernet).

Two Ethernet interfaces allow two Ethernet accesses. The two Ethernet interfaces have the same MAC address and IP address. One interface is active, the other one is standby. When the active interface fails, the standby interface switches to active automatically.

For complete redundancy, each interface must be connected to a different switch unit. These switches must be parts of a redundancy network supporting the Fast Spanning Tree standard. As in no redundancy mode, only one IP address is used.

Ethernet Redundancy must be activated via the netadmin tool (see: netadmin - Operation - Ethernet Redundancy).

Note:

The SLANX4 board does not support Ethernet redundancy.

1.2.2.4.2 Ethernet Load Balancing

The CS-2 board supports the Ethernet load balancing feature.

The two Ethernet interfaces are active simultaneously, the traffic is shared between the two interfaces. When an interface fails, the other one proceeds the whole traffic.

The two Ethernet interfaces must be connected to two interfaces of the same switch unit. This switch unit requires a special configuration. This switch unit must support the load balancing feature.

Ethernet load balancing must be activated via the netadmin tool (see: netadmin - Operation - Ethernet Redundancy).

Note:

The SLANX4 board does not support load balancing.

1.2.3 GD Board

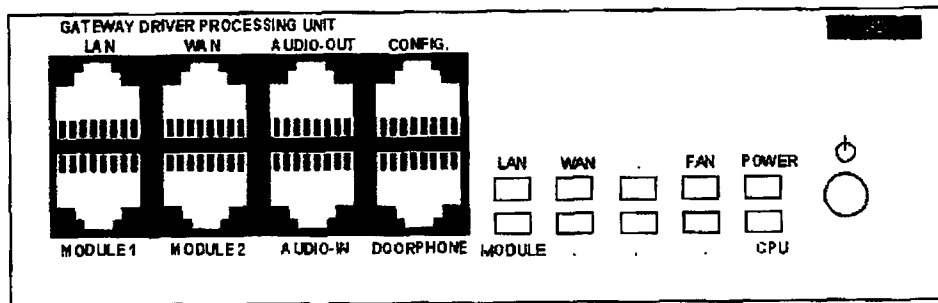


Figure 1.6: GD Board Front Panel

The GD board offers the following features:

- Media Gateway controller
- Switching
- Voice over IP

- Tone generator
- Voice guides
- Three party conference
- n party conference
- DTMF (touchtone) generator and detector
- Modem

This board is not compatible with the GA-3 and PowerMEX boards.

1.2.3.1 LED Meanings

Name	Function
POWER	- Green: operating on mains - Yellow: operating on battery
CPU	- Flashing green: CPU operating correctly - Red flashing: shutdown in progress
FAN	- Green: fans working - Red: one or two fans out of service
LAN	Flashing green: LAN operating correctly
MODULE	Green: HSL board installed

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1.2.3.2 GD Board Micro Switches Setting

The GD board micro switches must be set as indicated in the figure below. Do not change the position of these switches (reserved for Alcatel-Lucent support).

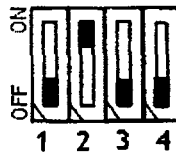


Figure 1.7: Switch Settings

1.2.4 GD-3 Board

The GD-3 board drives the Media Gateway and interfaces the Media Gateway with the Call Server.

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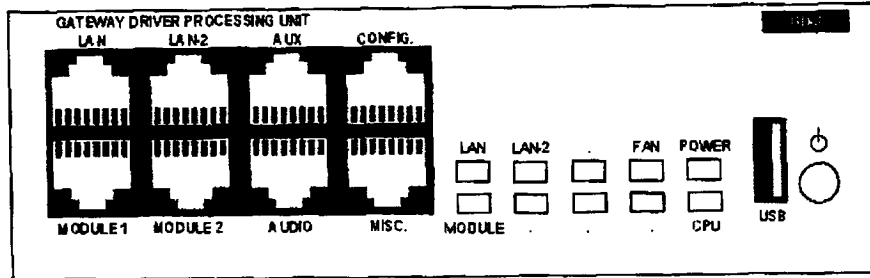


Figure 1.8: GD-3 Board Front Panel

This board is not compatible with the GA and MEX boards.

1.2.4.1 Functions

The GD-3 board offers the following features:

- Media Gateway controller
- Switching
- Voice over IP
- Tone generator
- Voice guides
- Conferencing
- DTMF (touchtone) generator and detector
- Modem
- Interface to the extension racks

1.2.4.2 Daughterboards

The GD-3 board supports the following daughterboards:

- HSL1, HSL2: These optional daughterboards allow to connect extension modules:
 - HSL1: allows to connect 1 extension module via Module1 connector
 - HSL2: allows to connect 2 extension modules via Module2 connectors
- ARMADA: this optional daughterboard supports additional DSPs (Digital Signal Processor) used for compression/decompression of voice channels for VoIP applications
- AFU: Auxiliary Function Unit: audio input/output (optional)

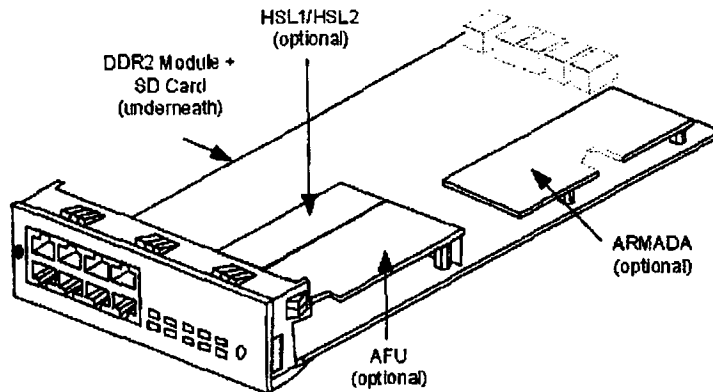


Figure 1.9: GD-3 Daughterboards Installation

1.2.4.3 LED Meanings

Name	Function
POWER	<ul style="list-style-type: none"> - Green: operating on mains - Yellow: operating on battery
CPU	<ul style="list-style-type: none"> - Fixed green: BIOS startup in progress - Fast blinking green: binary download in progress - Irregular blinking green (4 fast blinks + 1 normal blink): flash memory formatting in progress <p><i>Caution:</i> DO NOT UNPLUG THE BOARD DURING THIS PHASE.</p> <ul style="list-style-type: none"> - Blinking green: application startup in progress or board in service - Blinking red: shutdown in progress - Fixed red: shutdown completed - Led off: power off
FAN	<ul style="list-style-type: none"> - Green: fans working - Red: one or two fans out of service
LAN	Flashing green: indicates traffic activity
LAN2	Not used
MODULE	<ul style="list-style-type: none"> Green: HSL daughterboard installed Off: HSL not installed

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1.2.4.4 Board Micro Switch Setting

The GD-3 board micro switches must be set as indicated in the figure below. Do not change the position of these switches (reserved for Alcatel-Lucent support).

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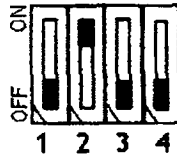


Figure 1.10: Switch Settings

1.2.5 GA Board

Auxiliary board enabling GD resources to be extended.

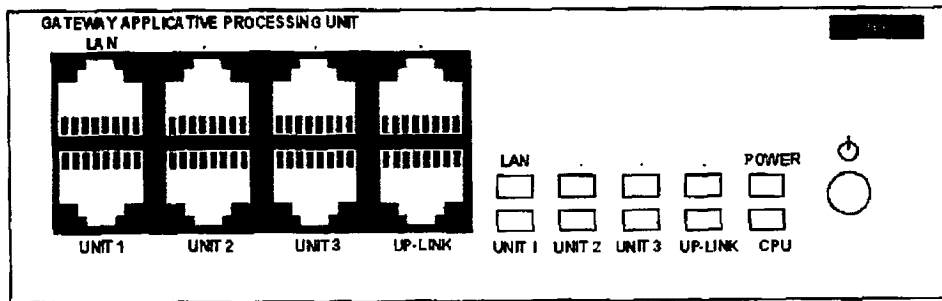


Figure 1.11: GA Board Front Panel

This board is not compatible with the GD-3, GA-3 and PowerMEX boards.

1.2.5.1 LED Meanings

Name	Function
CPU	Flashing green: CPU operating correctly
LAN	Green: LAN operating correctly (flashes to indicate traffic)
UNIT 1-3 UPLINK	Green: LAN switch 1 interface operating correctly (flashes to indicate traffic)

1.2.5.2 Micro Switches Setting

The GA board micro switches must be set as indicated in the figure below. Do not change the position of these switches (reserved for Alcatel-Lucent support).

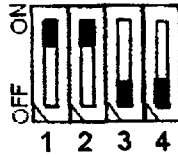
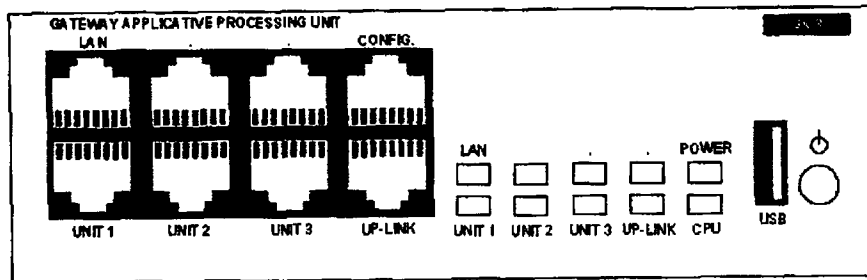


Figure 1.12: Switch Settings

1.2.6 GA-3 Board

The GA-3 board is an applicative board which provides additional processing resources to the Media Gateway.



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Figure 1.13: GA-3 Board Front Panel

This board is not compatible with the GD, GA and MEX boards.

1.2.6.1 Functions

This board provides additional resources to the Media Gateway.

1.2.6.2 Daughterboards

The GA-3 board supports the following daughterboards:

- ARMADA: this optional daughterboard supports additional DSP (Digital Signal Processor) used for compression/decompression of voice channels for VoIP applications
- SLANX: this optional daughterboard provides a 4 ports 10/100BT LAN switch. This switch cannot be configured.

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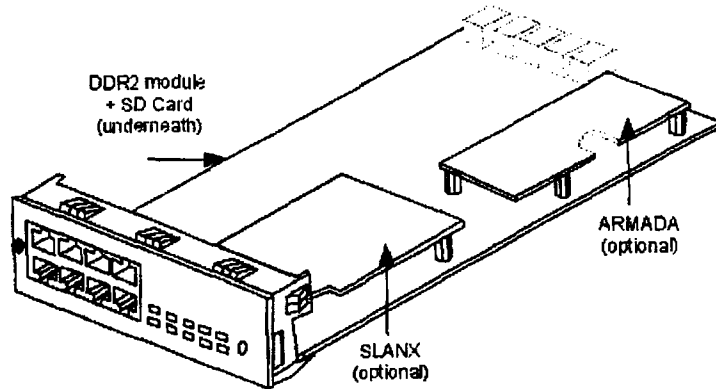


Figure 1.14: GA-3 Daughterboards Installation

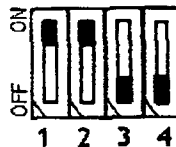
1.2.6.3 LEDs Meanings

Name	Function
POWER	<ul style="list-style-type: none"> - Green: operating on mains - Yellow: operating on battery
CPU	<ul style="list-style-type: none"> - Fixed green: BIOS startup in progress - Fast blinking green: binary download in progress - Irregular blinking green (4 fast blinks + 1 normal blink): flash memory formatting in progress <p><i>Caution:</i> DO NOT UNPLUG THE BOARD DURING THIS PHASE.</p> <ul style="list-style-type: none"> - Blinking green: application startup in progress or board in service - Blinking red: shutdown in progress - Fixed red: shutdown completed - Led off: power off
LAN	Flashing green: indicates traffic activity
UNIT1 to UNIT3 UP-LINK	Flashing green: indicates traffic activity

Handwritten note: GA-3 BOARD

1.2.6.4 GA-3 Board Micro Switch Setting

The GA-3 board micro switches must be set as indicated in the figure below. Do not change the position of these switches (reserved for Alcatel-Lucent support).



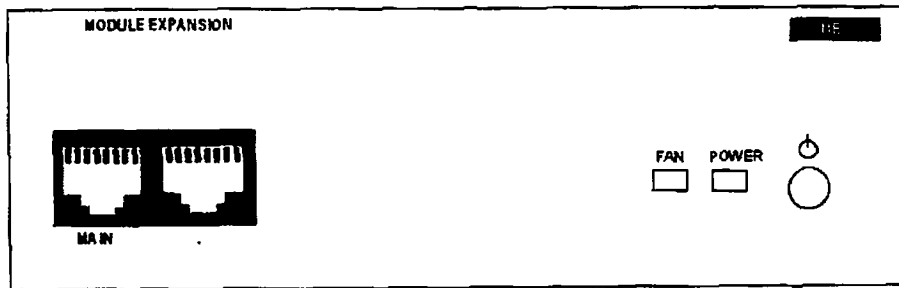
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Handwritten note: GA-3 BOARD

Figure 1.15: Switch Settings

1.2.7 MEX Board

The MEX board drives the extension rack and interfaces the GD board located in the main rack.



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Figure 1.16: MEX Board Front Panel

This board is not compatible with the GD-3 and GA-3 boards.

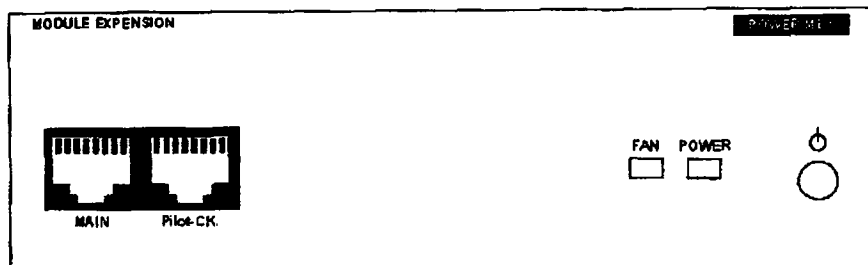
LED meanings :

Name	Function
POWER	<ul style="list-style-type: none"> - Green: operating on mains - Yellow: operating on battery - Flashing red: standby
FAN	<ul style="list-style-type: none"> - Green: fans operating correctly - Red: one or both fans failed

This board is not compatible with the GD-3 and GA-3board.

1.2.8 PowerMEX Board

The PowerMEX board drives the extension rack and interfaces the GD-3 board located in the main rack.



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Handwritten note: Ya. 233/10

Figure 1.17: PowerMEX Board Front Panel

This board is not compatible with the GD, GA and MEX boards.

1.2.8.1 PowerMEX Daughterboards

The PowerMEX board supports the HSL1 daughterboard. This board allows the connection to the main rack.

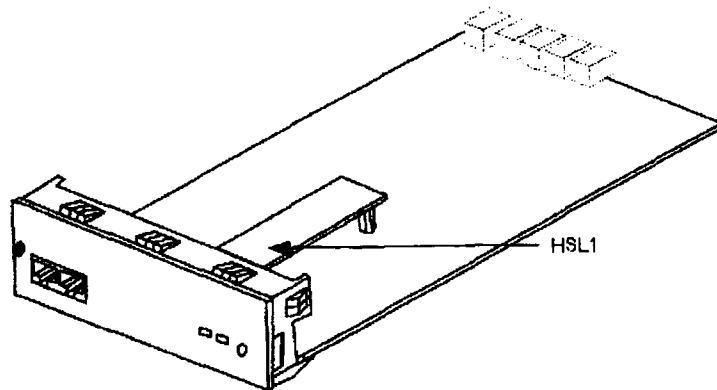


Figure 1.18: PowerMEX Daughterboard Installation

1.2.8.2 LEDs Meanings

Name	Meaning
POWER	- Green: operating on mains - Yellow: operating on battery - Flashing red: standby
FAN	- Green: fans operating correctly - Red: one or both fans failed

Note:

This board is not compatible with the GD board.

1.2.9 UAI-X and UAIX-1 Boards

These boards allow four, eight or 16 dedicated Alcatel-Lucent Reflexes sets or DECT or PWT base stations to be connected.

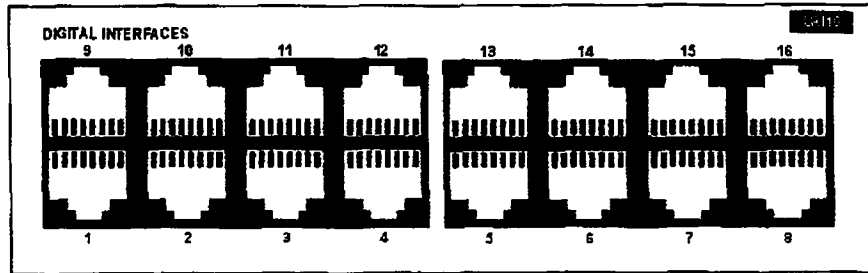


Figure 1.19: UAI-X Board Front Panel

1.2.10 SLI-X and SLIX-1 Boards

These boards allow four, eight or 16 analog sets to be connected.

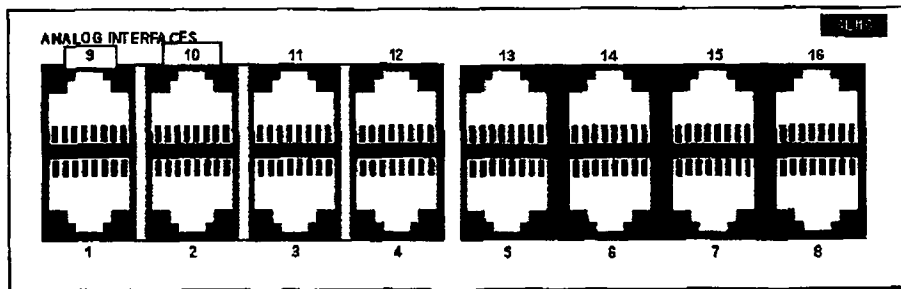


Figure 1.20: SLI-X Board Front Panel

1.2.11 BRA-X Boards

These boards allow two, four or eight T0 basic accesses (two B channels + one D channel) to be connected.

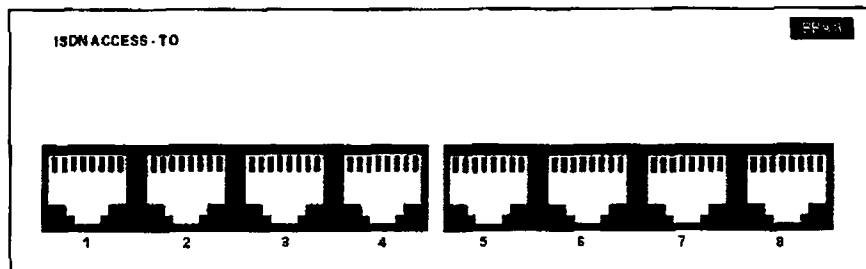


Figure 1.21: BRA-X Board Front Panel

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1.2.12 PRA-T2, PRA-T1, T1 CAS, PRA DASS2 and PCM R2 Boards

These boards, which are used to connect a primary access, are the following:

- T2 access via the PRA-T2 board (30 B channels + one D channel)
- T1 access by boards:
 - PRA-T1 (CCS mode, 23 B channels + one D channel)
 - T1 CAS (CAS mode, 23 B channels + one D channel)
- DASS2 access: 30 B channels (64 Kbits/s) + two service channels
- PCM R2 access: 30 B channels (64 Kbits/s) + one signaling channel

Example on front panel:

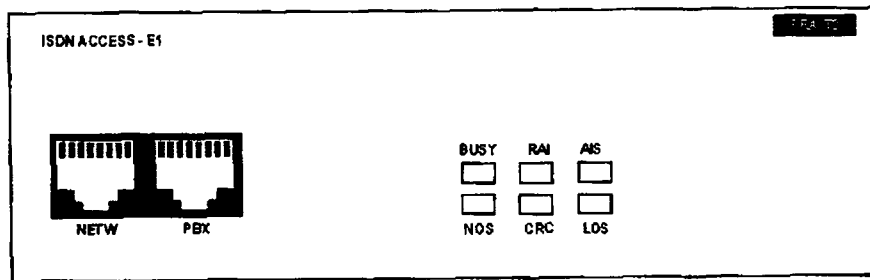


Figure 1.22: PRA-T2 Board Front Panel

LED meanings:

Name	Function
BUSY	B channels busy (red LED on if at least one B channel is busy)
RAI	Remote frame alarm (red LED on if there is an alarm)
AIS	Excessive number of "1"s in the 2 Mbits bit stream (red LED on if there is an alarm)
NOS	2 Mbits signal missing (red LED on if there is an alarm)
CRC	CRC error (red LED on if there is an alarm)
LOS	Loss of frame alignment (red LED on if there is an alarm)

1.2.13 APA-X Boards

These boards allow connection to the analog public network (two, four or eight accesses). These boards are also used to forward calls when a system failure occurs (power cutoff or computer problem).

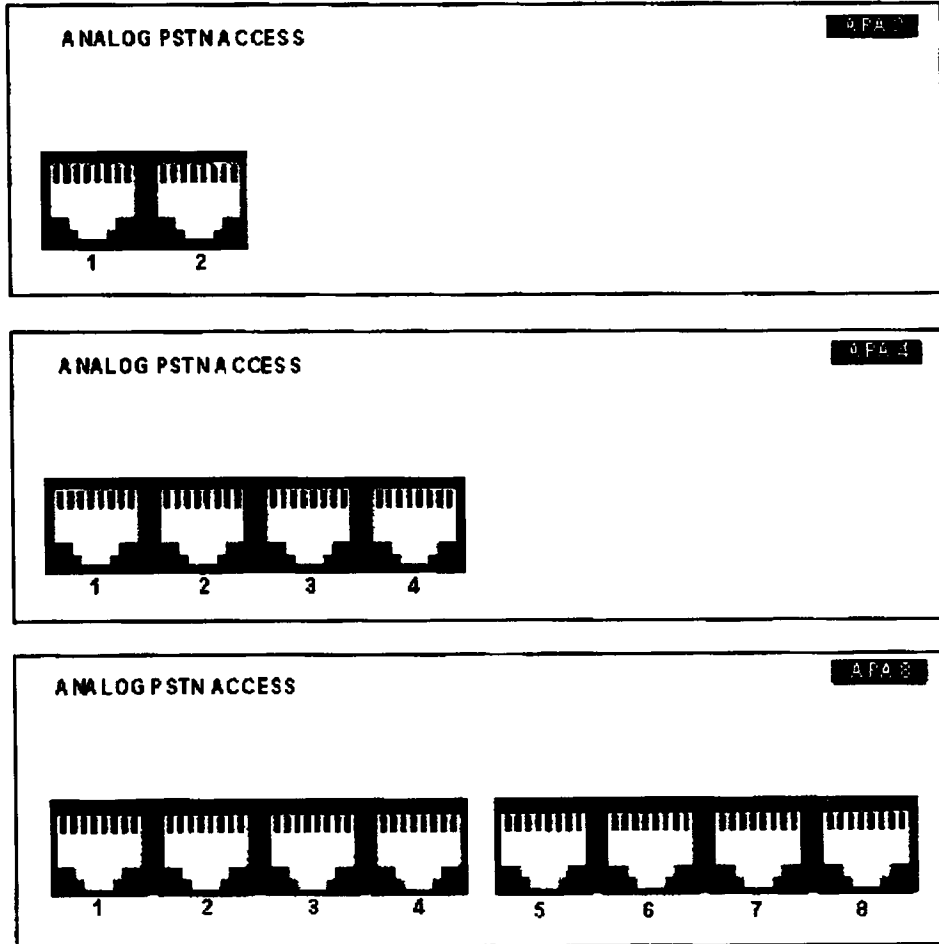


Figure 1.23: APA2 APA4 APA8 Boards Front Panel

Note:

In Australia and New Zealand, APA boards do not support decimal dialing.

1.2.14 MIX X/Y/Z Boards

These boards allow two or four T0 basic accesses, four or eight analog sets and four or eight dedicated Alcatel-Lucent Reflexes sets to be connected.

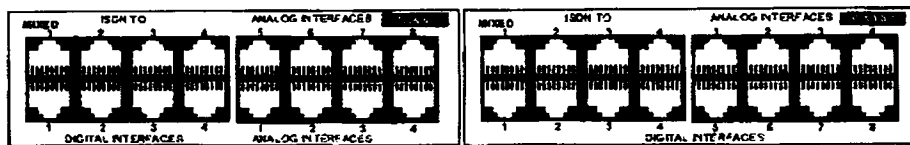


Figure 1.24: MIX Board Front Panel

1.2.15 LANX Boards

These boards allow a LAN to be created by connecting client PCs, IP-Phones, external Lanswitch and server.

1.2.15.1 LANX16 and LANX16-1 Boards

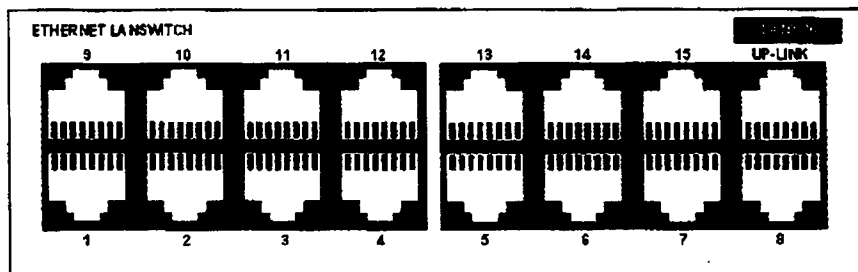


Figure 1.25: LANX19 Board Front Panel

Each RJ45 connector (category 5) has two green LEDs:

	off:	on:	flashing:
Left LED	link disconnected	link connected	link active
Right LED	half duplex	full duplex	collision

1.2.15.2 LANX-2 Boards

The LANX8-2 and LANX16-2 boards are second generation boards integrating respectively one or two Ethernet Gigabit ports for a Lanswitch/Layer 2 configuration. Any port can be used as an Uplink, as all the ports are auto MDI/MDIX.

The LANX8-2 board offers 7 10/100BaseT ports and one 10/100/1000BaseT port.

The LANX16-2 board offers 14 10/100BaseT ports and two 10/100/1000BaseT ports.

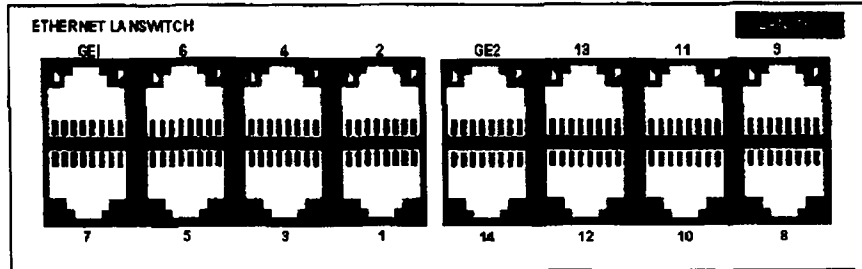


Figure 1.26: LANX12-2 Board Front Panel

LEDs for all ports are located on the top of the board.

- : indicates the status of ports GE1,6, 4,2, GE2, 13, 11, 9 on the top half of the board.
- : indicates the status of ports 7, 5, 3, 1, 14, 12, 10, 8 on the bottom half of the board.

Each RJ45 connector (category 5) has two LEDs:

	off:	on:	flashing:
Left LED (green)	link disconnected	link connected	link active
Right LED (yellow) for 10/100BaseT ports	10 MHz	100 MHz	
Right LED (yellow) for 10/100/1000BaseT ports	10 MHz or 100 MHz	1 GHz	

1.2.16 Installing Daughterboards/SDRAM on CPU Boards

The following table shows the different daughterboards that can be installed on the various CPU boards.

Daughter boards	CS	CS-2	GD	GD-3	GA	GA-3
SDRAM64	No	No	Yes	No	Yes	No
SDRAM128	Yes	No	No	No	No	No
DDR256	No	Yes	No	Yes	No	Yes
MCV8	No	No	Yes	No	Yes	No
MCV24	No	No	Yes	No	Yes	No
MADA1	No	No	Yes	No	Yes	No
MADA3	No	No	Yes	No	Yes	No
ARMADA	No	No	No	Yes	No	Yes
HSL1	No	No	Yes	Yes	No	No
HSL2	No	No	Yes	Yes	No	No

Daughter boards	CS	CS-2	GD	GD-3	GA	GA-3
AFU	No	No	Yes	Yes	No	No
SLANX	Yes	Yes	No	No	Yes	Yes
XMEM + Hard disk	Yes	No	No	No	No	No

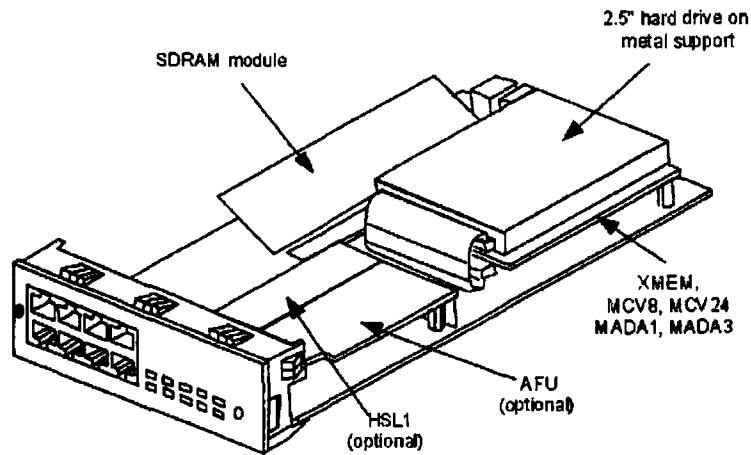


Figure 1.27: Example of Equipment with Daughterboards

1.3 Board Position in the Racks

Board positions given in this section are for information only. Actual positions of boards in the racks are given by Actis which applies configuration rules not presented here and subject to regular updates.

1.3.1 SMALL Rack

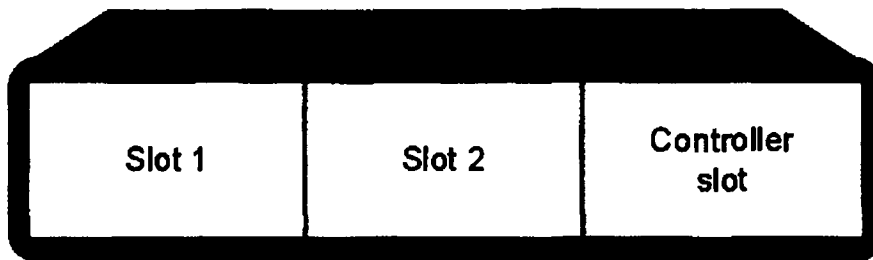


Figure 1.28: Small Rack Front Panel

Hardware description

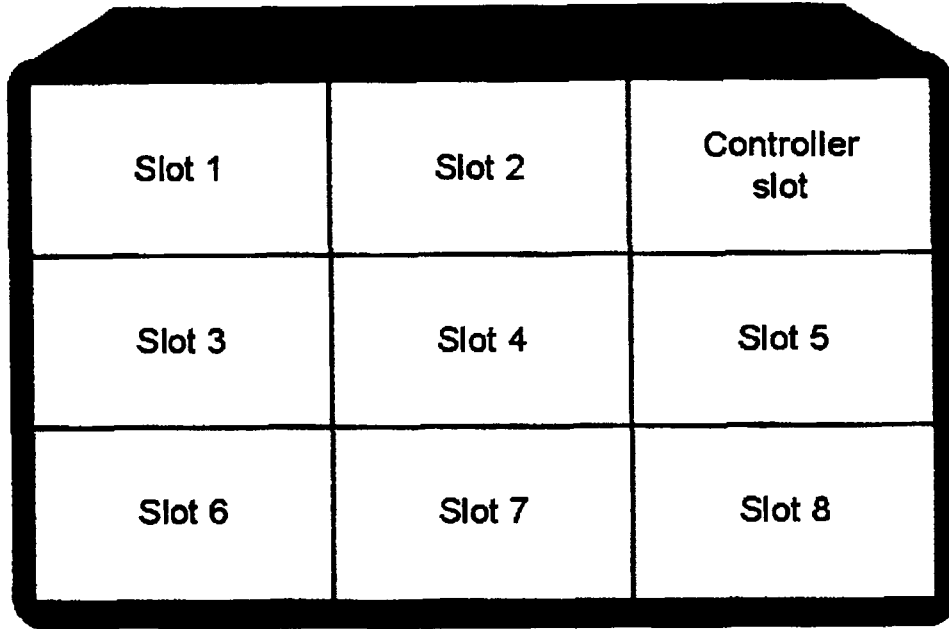
Board	Slot 1	Slot 2	Controller Slot
CS / CS-2	No	Yes	Yes
GD / GD-3, MEX / PowerMEX (see restrictions below)	No	No	Yes
GA / GA-3 (see restrictions below)	Yes	No	No
UAI4, UAI4-1, UAI8, UAI8-1	Yes	Yes	No
UAI16, UAI16-1	Yes	Yes	No
SLI4, SLI4-1, SLI8, SLI8-1	Yes	Yes	No
BRA2, BRA4, BRA8	Yes	Yes	No
PRA-T2, PRA-T1, T1 CAS, PRA DASS2 and PCM R2	Yes	Yes	No
APA2, APA4, APA8	Yes	Yes	No
MIX2/4/4, MIX4/8/4, MIX4/4/8, MIX0/4/4, MIX0/8/4, MIX0/4/8	Yes	Yes	No
LANX16, LANX16-1, LANX8-2, LANX16-2	Yes	Yes	No
Empty slot blanking cover	Yes	Yes	No

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1.3.2 LARGE Rack

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U. ABSTAD

Figure 1.29: Large Rack Front Panel

Board\ Slot	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Ctrl. Slot
CS / CS-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
GD / GD-3 MEX / PowerMEX (see restric- tions below)	No	No	No	No	No	No	No	No	Yes
GA / GA-3 (see restric- tions below)	Yes	No	N/Y*	No	No	No	No	No	No
UA14, UA14-1, UA18, UA18-1	Yes	Yes	Yes	Yes	Yes	yes	Yes	N/Y*	No
UA16, UA16-1	Yes	Yes	Yes	Yes	No	No	No	No	No
SLI4, SLI4-1, SLI8, SLI8-1, SLI16, SLI16-1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/Y*	No

U. ABSTAD

U. ABSTAD

Hardware description

Board\ Slot	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6	Slot 7	Slot 8	Ctrl. Slot
BRA2, BRA4, BRA8	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/Y*	No
PRA-T2, PRA-T1, T1 CAS, PRA DASS2, PCM R2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/Y*	No
APA2, APA4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/Y*	No
APA 8	No	No	No	No	Yes	Yes	Yes	N/Y*	No
MIX2/4/4, MIX4/8/4, MIX4/4/8, MIX0/4/4, MIX0/8/4, MIX0/4/8	Yes	Yes	Yes	Yes	No	No	No	No	No
LANX16, LANX16-1, LANX8-2, LANX16-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Empty slot blanking cover	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No

Y/N*: In the main rack "Yes ", in extension racks "No".

N/Y*: In the main rack "No", in extension racks "Yes".

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Chapter

2 Specific Technical Data

2.1 Safety Standards

This cabinet is compliant with "Technical Regulations for Low Voltage Electrical Equipment" and "Technical Regulations in Electro Magnetic Compatibility" in force in Ukraine".



Handwritten signature: Ya. N. B. B. B.

2.1.1 Declaration of Conformity

We,
Alcatel-Lucent Enterprise,
32 avenue Kléber
92707 Colombes Cedex - France

Declare that the following products are deemed to comply with the requirements of Directive 1999/CE/5 of the European Parliament and the Council.

Any unauthorized modification of the products renders this declaration of conformity null and void.

Pursuant to the directive, as published in the Official Journal of the European Community of April 7 1999, these appliances can be used in all countries of the European Community, Switzerland, Norway and Iceland.

CE

Copyright Alcatel-Lucent 2001. All rights reserved. Alcatel-Lucent Enterprise, in keeping with its policy of constant product improvement for the customer, reserves the right to modify product specifications without prior notice.

Alcatel-Lucent Enterprise - 32, avenue Kléber F-92707 Colombes Cedex RCS Paris 602 033 185.

2.1.2 Declaration of Conformity with Directives

This appliance is designed to be connected to the public telephone network through appropriate interfaces.

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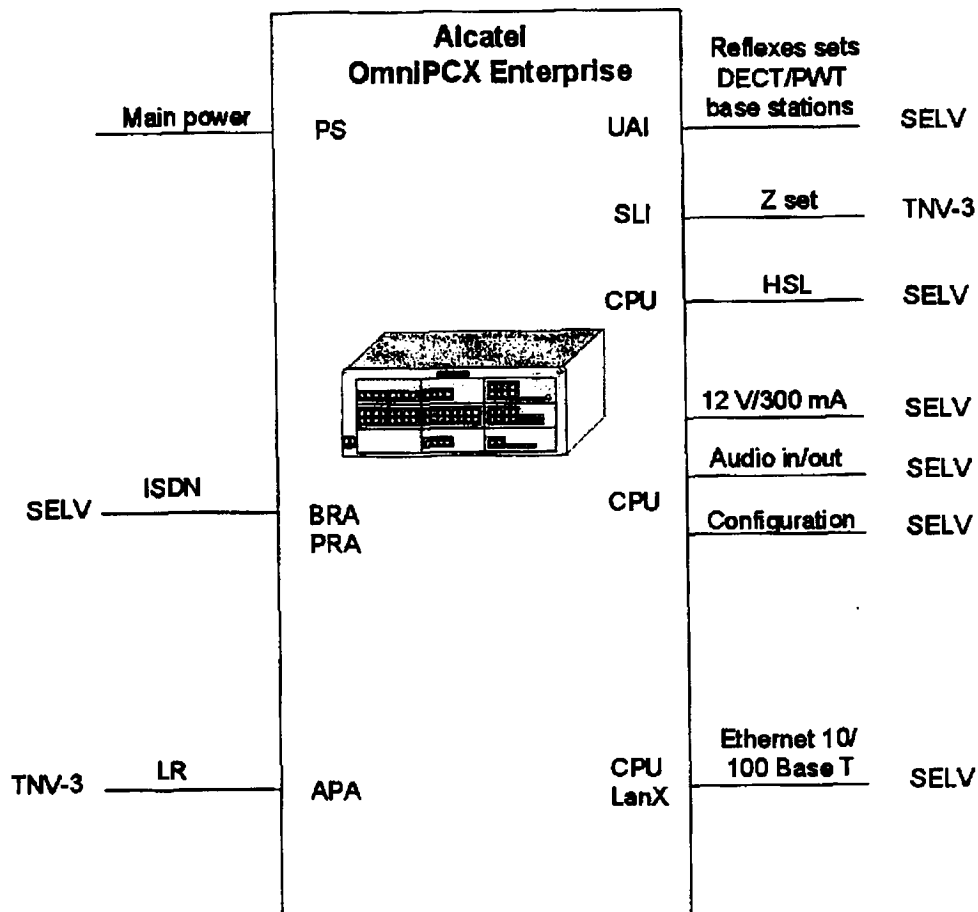
Chapter 2 Specific Technical Data

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

- 2004/108/EC (concerning electro-magnetic compatibility)
- 2006/95/EC (concerning electrical safety)
- 1999/5/EC (R&TTE)

2.1.3 Classification of Interfaces

SELV: Safety Extra Low Voltage
 TNV-3: Telecommunications Network Voltage



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2.2 Environment

Storage, transportation and rack environment comply with the following standards:

- ETS 300 019 1.1, Storage, Class 1.2: Weather protected, Not temperature controlled locations

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Specific Technical Data

- ETS 300 019 1.2, Transportation, Class 2.3: *Public transportation*
- ETS 300 019 1.3, In Use, Class 3.1: *Stationary use, Temperature controlled locations*

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Chapter

3

Installation Recommendations

3.1 Environmental Conditions



仅适用于海拔 2000m以下地区安全使用

3.1.1 Operation

- **Temperature:** to achieve optimum reliability, the ambient temperature must be between +5°C (-5°C exceptionally) and +40°C (45°C exceptionally) with a maximum variation of 30°C (86°F) per hour. In degree Fahrenheit, the ambient temperature must be between 41°F (23°F exceptionally) and 104°F (113°F exceptionally)
- **Relative humidity:** relative humidity must be between 5% and 85% (90% exceptionally) without condensation.

3.1.2 Storage

- **Temperature:** temperature must be between -25°C (-13°F) and +55°C (131°F).
- **Relative humidity:** relative humidity must be between 10% and 100% (without condensation).

3.1.3 Transportation

- **Temperature:** temperature must be between -40°C (-40°F) and +70°C (158°F).
- **Relative humidity:** relative humidity does not exceed 95% (without condensation).

3.1.4 Vibration

The hard disk drive is the most sensitive to these two phenomena. The vibrations must not exceed 0.01G with displacement amplitude less than 0.3mm. The shocks must be less than 4G during 22ms.

3.2 Site

- Select a dry, clean, well-ventilated location.
- Maintain ambient air flow to ensure normal ventilation. If airflow is restricted, blocked or the incoming air too warm, there is a risk of overheating.
- When the equipment is installed in a closed 19" cabinet, make sure the cabinet

equipped with a ventilation system capable of dissipating the heat generated by the equipment installed. Leave a clear space of at least 3 cm (1.2") around the side ventilation slots (left and right panels), and at least 10 cm (4") around the rear ventilation slots. Make sure the airflow is not blocked at the sides of the cabinet.

- When the system is mounted directly on a wall with the wall-mounting kit (Rack 1 only), leave a free space of at least 15 cm (6") around the entire system. Make sure that no objects are placed on top of the system or prevent evacuation of hot air. For a multi-rack installation, a horizontal rack alignment is preferred. If stacked vertically, leave a space of at least 10 cm (4") between racks.
- Make sure the connecting cables of the Alcatel-Lucent OmniPCX Enterprise Communication Server rack or other equipment or the uprights of the housing (19" cabinet for example) do not obstruct airflow through the rack.
- Install a 230V or 110V mains power outlet (depending on country) - 50 Hz or 60 Hz (2P+G) at a distance of no more than one meter from the rack if it is not installed in a cabinet (otherwise the cabinet cutoff switch is used).
- The room must be well lit.

3.3 Suggested Equipment

The following specifications are strongly recommended given that the PBX and its peripherals are both costly and safety equipment.

It is advised to have locked premises, with the key given to a single person.

3.3.1 Fire Detection

It is advisable to have fire detection equipment installed in the room (ionic smoke detection).

3.3.2 Protection Against Fire

It is advised to have inert gas injection protection installed in the room (water and foam projection mechanical systems are to be banned).

3.3.3 Temperature Alarm

A device that can warn of an abnormal temperature rise inside the room will make it possible to promptly remedy an air conditioning failure or any other failure.

3.4 General Recommendations

Caution:

It is vitally important to connect this product to a permanent ground connection installed in accordance with the rules of the art.

Owing to the presence of hazardous voltages, the metal back plate may only be removed by suitably qualified personnel.

In the event of a poor earth connection, it is IMPERATIVE to disconnect the telecommunication ports before reconnecting the earth. A check must then be made to ensure that all connectic

Installation Recommendations

have been made correctly.

If it is necessary to intervene in the power supply unit, disconnect the mains cable before removing the metal panel on the power supply unit and disconnect the batteries.

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Chapter

4 Protection against Interferences

Notice to the attention of the users and installer:

USA - FCC (Federal Communication Commission)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the installer or service person.

Changes or modifications to this equipment, not expressly approved by ALCATEL-LUCENT, may cause harmful interference and void the user's authority to operate this equipment.

Japan - VCCI (Voluntary Control Council for Interference)

この装置は、情報処理装置等電波障害自主規制協議会 (VCCI) の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。

Translation :

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.

Приложение 2.

**Описание на формата на заявка и на системата за приемане на
съобщения за възникнал проблем (trouble ticket system)**

У.Н. 203/10

У.Н. 203/10

У.Н. 203/10



ALCOMTECH

Accredited business partner of Alcatel - Lucent



КРАТКО ОПИСАНИЕ ЗА РАБОТА С „ON-LINE” СИСТЕМАТА ЗА ПРИЕМАНЕ И СЛЕДЕНЕ НА СЕРВИЗНИ ЗАЯВКИ

Сервизното обслужване, предлагано от Алком-Тех ЕАД, се извършва на базата на система за приемане на съобщения за възникнал проблем, достъпна онлайн 24 часа в денонощието на адрес _____ *У.А. ДЪВЪЛД*

Системата за приемане на съобщения за възникнал проблем има следните възможности:

- Създаване на нова заявка (инцидент) за сервизно обслужване
- Проследяване на работата по създадена заявка за сервизно обслужване
- Обновяване на информацията по създадена заявка за сервизно обслужване
- Справка за предишни проблеми чрез достъп до архива

Създаването на нова заявка за сервизно обслужване се извършва само от упълномощени лица на адре _____ *У.А. ДЪВЪЛД*

SUPPORT CENTER
TICKET TRACKING

SUPPORT TICKET SYSTEM

[Начало](#) [Нов инцидент](#) [Статус](#)

Добре дошли в центъра за техническа поддръжка на АЛКОМ-ТЕХ ЕАД!

С цел подобряване обслужването на клиенти и повишаване качеството на техническата поддръжка, АЛКОМ-ТЕХ ЕАД използва система за регистриране и проследяване на инциденти. Вашата заявка ще получи уникален идентификационен номер, чрез който може да се проследи извършената работа по всеки конкретен случай. Системата пази пълен архив на подадените заявки. При отваряне на инцидент, използването на валиден e-mail адрес е задължително!



Отваряне на нов инцидент

Моля потърсете максимално подробно прилежащия формуляр. За обновяване на информация по вече създаден инцидент, влезте в системата чрез формата вдясно.

Нов инцидент



Статус на инцидент

Архив на отворени и затворени инциденти.

Email: _____

Инци.# _____

Статус

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osTicket

Натиска се бутон „Нов инцидент” в долния ляв край на прозореца за препращане към формуляра за заявка за възникнал проблем.

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У.А. ДЪВЪЛД

У.А. ДЪВЪЛД



SUPPORT CENTER

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SUPPORT TICKET SYSTEM

[Начало](#) [Нов инцидент](#) [Статус](#)

За отваряне на нов инцидент, моля попълнете формуляра.

Име и фамилия:

e-mail:

Телефон:

Относно:

Описание на проблема:

Приоритет:

Контролен текст: Въведете текста от картинката.

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Задължителните полета във формуляра са маркирани с удебелен шрифт, а именно:

- **Име и фамилия**
- **e-mail адрес**
- **Относно** – кратко описание, например „НОИ Хасково, проблем с външни линии”
- **Описание на проблема** – възможно най пълно описание на повредата
- **Контролен текст** – въвежда се с цел защита от автоматизирано генериране на заявки

Незадължителните полета са:

- **Телефон** – въвеждането е желателно с цел свързване при необходимост от доуточняващи въпроси
- **Приоритет** – дава възможност на клиента да маркира приоритет според тежестта на повредата

След попълване на формуляра се натиска бутон „Изпращане”. При коректно попълнени данни се появява екран за успешно създаден инцидент. В противен случай се изписва съобщение за грешка с изписани в червено коментари за неправилно попълнените полета.

У.Н. РИЗАРД

У.Н. РИЗАРД

У.Н. РИЗАРД



ALCOMTECH

Accredited business partner of Alcatel - Lucent



SUPPORT CENTER
TICKET TRACKING

SUPPORT TICKET SYSTEM

Начало Нов инцидент Статус

Инцидентът е създаден успешно!

Павел Личев.

Благодарим Ви, че се свързахте с нас.

Заявката за поддръжка е генерирана успешно. При необходимост, наш представител ще се свърже с Вас в най-скоро време.

E-mail с номер на инцидента е изпратен автоматично на адрес lichev@alcomtech.bg. Ще се нуждаете от този номер и Вашия e-mail адрес, за да проследите статуса на инцидента и извършената по него работа.

Ако желаете да добавите допълнителна информация по същия проблем, влезте в системата използвайки данните от получения e-mail. Моля не отваряйте няколко инцидента по един и същи проблем.

Екипът на Алком-Тех

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osTicket

Използването на активен e-mail адрес е абсолютно задължително. Системата изпраща автоматично съобщение с контролен номер на създадения инцидент и линк, на който може да се проследи извършената работа по проблема. При необходимост, съзателят на заявката (инцидента) може да въведе допълнителна информация или коментар по проблема. Системата отново ще изпрати потвърждаващ e-mail за успешно добавена информация.

У. М. М. М.

За добавяне на информация към текущ инцидент, или проследяване на неговия статус, влизането в системата става чрез изпратения по електронна поща линк, или чрез въвеждане на e-mail адрес и номер на инцидента в долни десен край на началния екран.

При влизане в системата, клиентът може да направи справка за всички негови отворени и затворени инциденти. Заявките са обвързани с e-mail адреса на изпращача, поради което е желателно заявките на определена организация да се правят винаги от един и същ e-mail адрес. Така лесно може да се направи справка за всички създадени до момента отворени и затворени инциденти.

Начини и методи за приемане на заявка за възникнал проблем:

1. Онлайн на адрес: [h](#)
2. По електронна поща на адрес *У. М. М. М.*
3. По телефон на номер 0... на цената на един градски разговор
4. По факс на номер (...)

В случай, че заявката не е направена по метода от точка 1, служител на Алком-Тех ЕАД ще отвори инцидент от името на клиента, при което подателя на заявката ще получи по електронна поща контролен номер, с цел проследяване на развитието по съответния проблем.

У. М. М. М.

У. М. М. М.

Manufacturer Authorisation Form

To: National Social Security Institute (NSSI) - Bulgaria

We ALE International, a French corporation having its registered office *Ул. ВБЗ 110*
Ул. ВБЗ 110 the official producer of Alcatel-Lucent Omni PCX Enterprise
Voice Systems, telephone sets and other accessories, authorize "ALCOM-TECH" JSC with
registered address 33E, blvd. Cherni Vrah, Sofia 1421, Bulgaria to submit an offer for
participation in tender: "Modernization of the voice communication system in the existing
infrastructure of NSSI /second stage/" and to sell, deliver and install the above mentioned
products and services to NSSI - Republic of Bulgaria. *Ул. ВБЗ 110*

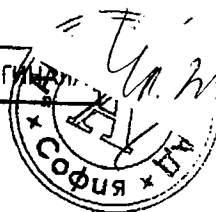
We also hereby declare that "ALCOM-TECH" JSC is authorized by us to sell, offer warranty
and post warranty maintenance, technical support or helpdesk support, new version upgrade
and/or other services associated with the above mentioned products, in the territory of
Bulgaria.

17/08/2017

Ул. ВБЗ 110

..... Alcatel-Lucent 
Enterprise

ВЯРНО С ОРИГИНАЛ



Ул. ВБЗ 110

Ул. ВБЗ 110

Превод от английски език

ОТОРИЗАЦИОНЕН ФОРМУЛЯР НА ПРОИЗВОДИТЕЛЯ

До: Национален Осигурителен Институт (НОИ) - България

Ние, ALE INTERNATIONAL, френска корпорация с регистриран офис *У.А. 233112*
У.А. 233112 - официален производител на Алкател-Лусент Enterprise
OmniPCX Enterprise комуникационни системи, телефонни апарати и други аксесоари,
оторизираме "АЛКОМ-ТЕХ" ЕАД с адрес на регистрация 33Е, бул. Черни Врх, София
1421, България да подаде оферта за участие в процедура по обществена поръчка:
„Модернизиране на гласовата комуникационна система в съществуващата
инфраструктура на НОИ /втори етап” и да продаде, достави и инсталира гореспоменатите
продукти и услуги на НОИ - Република България.

Също удостоверяваме, че АЛКОМ-ТЕХ ЕАД е оторизиран от нас да продава, да
предоставя гаранционно и след гаранционно обслужване, техническа поддръжка или
поддръжка оказвана от бюро за предоставяне на помощ, осъвременяване с нови версии
и/или други услуги свързани с гореспоменатите Продукти на територията на Република
България. *У.А. 233112*

17/08/2017

Подписано /подпис не се чете/

У.А. 233112

Долуподписаният Ем. *У.А. 233112* в удостоверявам верността на извършения от
мен превод от английски на български език на приложения документ "ОТОРИЗАЦИОНЕН
ФОРМУЛЯР НА ПРОИЗВОДИТЕЛ". Настоящият превод се състои от 1 /една/ страници.

Декларатор: *У.А. 233112*
(подпис)

У.А. 233112

У.А. 233112

ДЕКЛАРАЦИЯ

за срока на изпълнение

Долуподписаният Емили: *У. 283110* аманов с лична карта № *У. 283110* издадена *У. 283110* от МВ *У. 283110* ЕГН *У. 283110* в качеството ми на Изпълнителен директор на „Алком-тех“ ЕАД, със седалище и адрес на управление гр. София 1421, област София, община Столична, район р-н Лозенец, бул. „Черни връх“ 33Е, ет.5 - участник в открита процедура за възлагане на обществена поръчка с предмет: “Сервизно обслужване на гласовата комуникационна система на Националния осигурителен институт”

У. 283110

ДЕКЛАРИРАМ, че:

1. Срокът за доставка, пълно инсталиране, конфигурация и пускане в експлоатация на оборудването, ведно с проведени успешни 72-часови тестове за пълна функционалност е до 6 (шест) месеца, считано от датата на сключване на договора;
2. Срокът за гаранционно обслужване (поддръжка) на мястото на експлоатация на оборудването от страна и за сметка на „Алком-Тех“ ЕАД е 24 (двадесет и четири) месеца, считано от датата на подписване на констативен протокол за пълното инсталиране, конфигуриране и пускане в експлоатация на доставеното оборудване по цялостното изпълнение на предмета на поръчката за описаните в документацията телефонни централи.

21.08.2017 г.
(дата на подписване)

Декларат



У. 283110

У. 283110

ДЕКЛАРАЦИЯ*

за съгласие с клаузите на приложения проект на договор по чл. 39, ал. 3, т. 1,
буква "в" от ПЗОП

Чл. 243/10
Долуподписаният/ната Емил Драманов с лична карта № Чл. 243/10 издадена на Чл. 243/10 от МГ Чл. 243/10 с ЕГН Чл. 243/10 в качеството ми на Изпълнителен директор на „Алком-тех“ ЕАД, вписано в търговския регистър на Агенцията по вписванията под единен идентификационен код № 121263692, със седалище и адрес на управление гр. София 1421, област София, община Лозенец, бул. „Черни връх“ 33Е, ет. 3 - Чл. 243/10 - участник в процедура за възлагане на обществена поръчка с предмет: **“Модернизиране на гласовата комуникационна система в съществуващата инфраструктура на НОИ /втори етап”**,

ДЕКЛАРИРАМ, че:

Представляваният от мен участник приема и се съгласява с условията в проекта на договор, неразделна част от документацията за участие в процедурата за възлагане на обществена поръчка с предмет: **“Модернизиране на гласовата комуникационна система в съществуващата инфраструктура на НОИ /втори етап”**.

21.08.2017 г.
(дата на подписване)

ДЕКЛАРАТОР:
(подпис и печат)



* Декларацията се попълва от представляващия участника по регистрация или от упълномощено лице

Чл. 243/10

Чл. 243/10

ДЕКЛАРАЦИЯ*

за срока на валидност на офертата по чл. 39, ал. 3, т. 1, буква "г" от ПЗООП

Долуподписаният/ната Емили... *У. ВЪЗРАД* иманов с лична карта № *У. ВЪЗРАД*
издадена в *У. ВЪЗРАД* от МВР *У. ВЪЗРАД* в качеството ми на
Изпълнителен директор на „Алком-тех“ ЕАД, вписано в търговския регистър на
Агенцията по вписванията под единен идентификационен код № 121263692, със
седалище и адрес на управление гр. София 1421, област София, община Лозенец, бул.
„Черни връх“ 33Е, ет.5 - тел.029170061, факс 029170063- участник в процедура за
възлагане на обществена поръчка с предмет: *„Модернизирание на гласовата
комуникационна система в съществуващата инфраструктура на НОИ /втори етап“*,

ДЕКЛАРИРАМ, че:

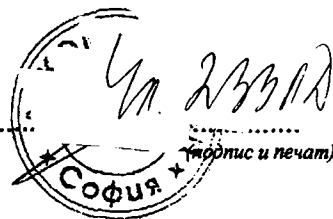
Подадената от нас оферта е валидна за периода от три месеца (*посочват се броя на
месеците на валидност съобразени с условията на процедурата, но не по-малко от 3 (три)
месеца*), считано от датата, определена в обявлението за краен срок за получаване на
офертите и ние ще сме обвързани с нея.

При поискано удължаване на този срок, той ще бъде удължен със срока поискан
от Възложителя.

Известна ми е отговорността по чл. 313 от Наказателния кодекс за посочване на
неверни данни.

21.08.2017 г.
(дата на подписване)

ДЕКЛАРАТОР:



* Декларацията се попълва от представляващия участника по регистрация или от упълномощено лице

У. ВЪЗРАД



ALCOMTECH

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Alcatel-Lucent 

ЦЕНОВО ПРЕДЛОЖЕНИЕ НА АЛКОМ-ТЕХ ЕАД

**ЗА УЧАСТИЕ В ПРОЦЕДУРА ЗА ВЪЗЛАГАНЕ НА
ОБЩЕСТВЕНА ПОРЪЧКА ЗА:**

**“Модернизиране на гласовата комуникационна система
в съществуващата инфраструктура на НОИ /втори
етап/”**

**София
август, 2017**

**ALCOMTECH**

Accredited business partner of Alcatel - Lucent

Alcatel-Lucent

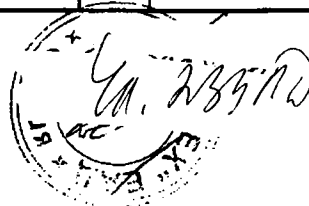
ДО
НАЦИОНАЛНИЯ ОСИГУРИТЕЛЕН ИНСТИТУТ**ЦЕНОВО ПРЕДЛОЖЕНИЕ**от
АЛКОМ-ТЕХ ЕАД, гр. София 1421, бул. "Черни връх" 33Е**УВАЖАЕМИ ДАМИ И ГОСПОДА,**

След проучване и запознаване с документацията за участие в откритата процедура за възлагане на обществена поръчка, предлагаме да изпълним обществената поръчка с предмет: *"Модернизиране на гласовата комуникационна система в съществуващата инфраструктура на НОИ /втори етап/"* при следните финансови условия:

1.Общата цена за изпълнение на поръчката е в размер на **199 863,00** лв. (сто деветдесет и девет хиляди осемстотин шейсет и три лева) без включен ДДС, съответно **239 835,60** лв. (двеста тридесет и девет хиляди осемстотин тридесет и пет лева и шейсет стотинки) с включен ДДС;

а) Цена за доставка на оборудването съобразно техническите спецификации без ДДС: **180 503,00** лв. (сто и осемдесет хиляди петстотин и три лева и нула стотинки);

	Тип оборудване	Код на производителя	Кол.	Единична цена без ДДС	Обща цена без ДДС
	Хардуер				
1	VoIP access board INT-IP3 board including one 10/100/1000 BT connecting card	3BA00759AA	5	5 112,80 лв.	25 564,00 лв.
2	Gateway Driver CPU (GD-3 board)	3EH73084AE	26	1 863,50 лв.	48 451,00 лв.
3	CS-2 CPU Board with SDRAM 1GBytes and hard disk	3BA00729AA	3	2 185,60 лв.	6 556,80 лв.
	Общо хардуер				80 571,80 лв
	Софтуер				
4	8770 upgrade 100 ext	3BA09524JA	47	1,09 лв.	51,23 лв.
5	OmniVista 8770 release 3.2 upgrade software license	3BA09910JU	1	298,90 лв.	298,90 лв.



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6	OmniVista 8770 release 3.2 software pack DVD-R	3BH11669AJ	1	40,74 лв.	40,74 лв.
7	IP Centralisation: OXE Service Contract	3BA04234FA	2609	1,09 лв.	2 843,81 лв.
8	IP Centralisation: OmniVista Service Contract	3BA04301FA	298	1,09 лв.	324,82 лв.
9	"Software License for ""Passive Communication Server"" (PCS)"	3BA09046JA	3	1 654,40 лв.	4 963,20 лв.
10	IP Centralization	3BA09200JB	1	298,90 лв.	298,90 лв.
11	Alcatel-Lucent OmniPCX Enterprise R11.2 software license	3BA09810JA	1	298,90 лв.	298,90 лв.
12	OmniPCX Enterprise major software upgrade - 1 user	3BA09835JA	3340	19,80 лв.	66 132,00 лв.
13	OmniPCX Enterprise SPS (Solution Premier Service) - Alcatel	3EY10002SA	1	21 138,48 лв.	21 138,48 лв.
14	OmniVista 8770 SPS (Solution Premier Service) - Alcatel	3EY14001SA	1	3 540,22 лв.	3 540,22 лв.
	Общо софтуер				99 931,20 лв
Общо доставка					180 503,00 лв.

б) Цена за инсталиране, конфигурация и пускане в експлоатация на оборудването съобразно техническите спецификации, без ДДС: **19 360,00 лв.** (деветнадесет хиляди триста и шейсет лева и нула стотинки);

Инсталиране, конфигурация и пускане в експлоатация 22 x 880 лв. = 19 360,00 лв. без ДДС;

2. **Срок на изпълнение** – до 6 (шест) месеца от датата на подписване на договора.

3. **Гаранционен срок** – 24 (двадесет и четири) месеца, считано от датата на подписване на констативен протокол за пълното инсталиране, конфигуриране и пускане в експлоатация на доставеното оборудване по цялостното изпълнение на предмета на поръчката за описаните в документацията телефонни централи.

4. **Начин на плащане.**

Всички плащания се извършват по банков път, по следната сметка на изпълнителя:

Банка: У.А.

IBAN:

BIC: U

У.А. 72 801К

У.А. 233 А

У.А. 233 А

Гр. София

Дата, 21.08.2017 г.

УЧАСТНИК:

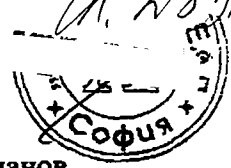
Е. Караманов
Изп. Директор
Алком-тех ЕАД

СПИСЪК

На персонала който ще изпълнява дейностите по договора за
**“Модернизиране на гласовата комуникационна система в съществуващата
 инфраструктура на НОИ /втори етап/”**

№	Име и фамилия	Образование и квалификация
1.	Павел Чл. 283110 Гчев технически директор – лице за контакт по изпълнение на договора	Висше, Чл. 283110 „ Дипло „ „Висш машинно - електротехнически институт” гр.София Alcatel- Чл. 283110
2.	Сем Чл. 283110 яронов	Висше, „ Чл. 283110 г., диплом Чл. 283110 , Висш машинно - електротехнически институт” гр.Варна Чл. 283110
3.	Никола Чл. 283110 Тасов	Висше, „ Чл. 283110 диплом (Чл. 283110 , Пекински университет по пощите и далекосъобщенията” гр.Пекин, Китай Чл. 283110
4.	Крам Чл. 283110 сунев	Висше, „С Чл. 283110 „ дипло Чл. 283110 „ Технически университет” гр.Варна Чл. 283110

ПОДПИС и ПЕЧ

Чл. 283110


Емилиан Караманов

Изпълнителен директор на

“АЛКОМ-ТЕХ” ЕАД

Дата: 25.10.2017 г.