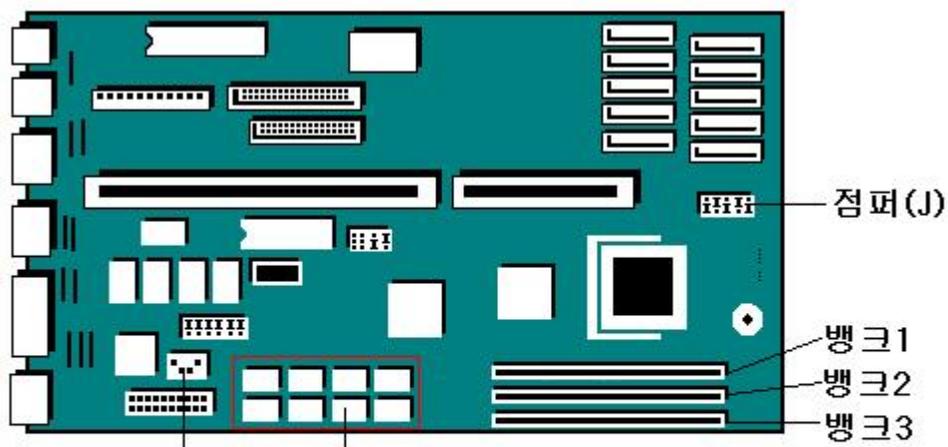
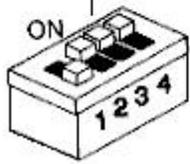


# OBERON Main Board



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기본메모리

*OBERON MAIN BOARD*

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## **OBERON CPU**

### **CPU related jumper and DIP switch settings**

The following PGA type CPUs are supported, all operating at 5V

- SL Enhanced Intel486SX-25MHz
- SL Enhanced Intel486SX-33MHz
- SL Enhanced Intel486DX-25MHz (with built-in coprocessor)
- SL Enhanced Intel486DX-33MHz (with built-in coprocessor)
- SL Enhanced Intel486DX2-50MHz (Coprocessor built-in)
- SL Enhanced Intel486DX2-66MHz (Built-in Coprocessor)

## OBERON memory settings

### Cache memory capacity setting

(Expansion: Up to 256KB)

### main memory

type	72-pin SIMM module
speed	70ns
Volume	4MB,16MB available
expansion	Up to 40MB (default 4M built in bank 0)

### How to install

memory size	Bank 0 (SIMM1)	Bank 1 (SIMM2)	Bank 2 (SIMM3)	Bank 3 (SIMM4)
4M	4M	--	--	--
8M	4M	4M	--	--
12M	4M	4M	4M	--
16M	4M	4M	4M	4M
20M	4M	16M	--	--
24M	4M	4M	16M	--
36M	4M	16M	16M	--
40M	4M	4M	16M	16M

## OBERON Jumper Settings

jumper	setting	function
J1	1-2	Select 486DX, 486DX2
	2-3	Select 486SX PGA-type CPU

DIP SW	CPU clock setting (25 MHz) SX/25,DX/25,DX2/50	CPU clock setting (33 MHz) SX/33,DX/33,DX2/66
1	ON	OFF
2	OFF	ON
3	ON	ON

### DIP switch settings related to video usage on the main board

jumper	setting	function
VJ5	1-2*	VGA native vertical frequency: 60Hz, VGA native horizontal frequency: 31.5KHz
	2-3	VGA native vertical frequency: 72Hz, VGA native horizontal frequency: 38KHz
VJ6	1-2*	When using the built-in video adapter
	2-3	If you are not using the built-in video adapter
VJ7	1-2*	Use Motherboard Hangul
	2-3	Motherboard Hangul Not Used

**Caution (VJ7):** When using other video boards, the Korean language of the motherboard cannot be used.

### Resolution-related jumper settings for your monitor

jumper		function	
VJ1	VJ2	800*600 vertical frequency setting	800*600 horizontal frequency setting
1-2*	1-2*	56Hz	35.5KHz
1-2	2-3	60Hz	38KHz
2-3	1-2	72Hz	48KHz
2-3	2-3	56Hz	35.5KHz
VJ3	VJ4	1024*768 vertical frequency setting	1024*768 horizontal frequency setting
1-2*	1-2*	87Hz(Interlaced)	35.5KHz
1-2	2-3	60Hz(non-Interlaced)	48KHz
2-3	1-2	70(non-Interlaced)	56.6KHz
2-3	2-3	72(non-Interlaced)	58KHz

### Cache memory capacity setting (extension: up to 256KB)

jumper	0KB	64KB	128KB	256KB
J3	1-2	2-3	1-2	2-3
J4	1-2	1-2	2-3	1-2
J5	1-2	1-2	1-2	2-3
J6	1-2	1-2	2-3	2-3
DIP SW	setting	function		
4	ON	cache available		
	OFF	Cache not available		

# OBERON Main B/D CMOS SETUP

## use key

Enter or 1 ~ 8	Execute
arrow keys	Select
Esc	Save & Exit

## Press the DEL key during booting

Level 1	Step 2	Step 3	Step 4	optional
<b>1. STRAT OPERATING SYSTEM</b>	System reboot progress			
<b>2. RUN EASY KOREAN CMOS SETUP</b>	Korean setup screen provided (date, time, A: B: floppy disk, C: D: hard disk, password can be set)			
<b>3. RUN CMOS SETUP</b>	Execute setup screen			
	Date(mm/dd/yy)		Wed, Sep 21 1997	date
	Time(hour/min/sec)		10 : 22 : 19	hour
	Floppy drive A		1.2MB, 5 1/4	Not..., 360KB 5 1/4, 1.2MB 5 1/4
	Floppy drive B		1.44MB, 3 1/2	Not..., 720KB 3 1/2, 1.44MB 3 1/2, 2.88MB 1/2
	A: and B: switching		Disabled	Disabled/enabled
	Hard disk C: Type		30	1~ 47(USER TYPE)/Not Installed
	Hard disk D: type		Not Installed	
	Primary display		VGA/PGA/EGA	VGA/PGA/EGA, Mono..., Color 40x25, Color 80x25, Not Installed
	System speed		Fast	Fast/Slow
	Booting sequence		A: then C:	A: then C:/C: only
	Diskette seek test		Enabled	Disabled/enabled
	Green Mode		Disabled	Disabled, 5Min ~ 60Min
	Base memory		xxx KB	
	Ext. memory		xxxx KB	
	Coprocessor		Not Installed	
	<b>[Shadow options]</b>			
		System BIOS Shadowed		
		Video BIOS	:Enabled	Enabled/Disabled
		C8000-CFFFF	:Disabled	Disabled/Enabled
		D0000-D7FFF	:Disabled	Disabled/Enabled
		D8000-DFFFF	:Disabled	Disabled/Enabled
	<b>[Peripherals setup]</b>			
	Parallel		U-LPT1	U-LPT/B-LPT/ LPT1(3BC)/ LPT2(378)/ LPT3(278)
	Serial		COM1 + 2	COM1(3F8)/COM2(2F8)
	PS/2 Mouse		Enabled	Enabled/Disabled
	FDC		Enabled	Enabled/Disabled
	IDE		Enabled	Enabled/Disabled
	<b>[Keyboard setup]</b>			
	Test		Enabled	Enabled/Disabled
	NumLock		On	On/OFF
	Key rate		30	2 ~ 30
	Key Delay		0.25	
<b>4. RUN PASSWORDS</b>	password setting			
	Password state		:Not Installed	Not../New../ Installed
	Hot Key state		:Not Installed	Not../New../ Installed
<b>5. DISPLAY MAIN BOARD HELP</b>	DIP switch, jumper, HDD capacity and type, memory bank composition, and cache memory information display			
<b>6. LOAD DEFAULT VALUES TO CMOS</b>	'CMOS SETUP' and 'CMOS PASSWORD SETUP' changed to initial values.			

<b>7. WRITE(SAVE) TP CMOS AND EXIT</b>	Save the current setup and reboot
<b>8. DO NOT WRITE TO CMOS AND EXIT</b>	현재 설정된 셋업 내용을 저장하지 않고 재부팅