

HP Consumer Support

Motherboard Specifications, FIC VG31 (Tango)

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Motherboard information

FEATURE/SPECIFICATION	DESCRIPTION
Motherboard description	<ul style="list-style-type: none"> Manufacturer's name - FIC VG31 HP/Compaq name - Tango
Motherboard supplier	FIC
System BIOS supplier	FIC/Award
Form factor	uATX
Processor brand	Intel
Processor socket type	mPGA478 (Socket-478)
Processor family	Pentium® 4, (Northwood, Willamette) Willamette-Celeron
Maximum Processor core frequency	<=2.66 GHz Northwood, 2.0 GHz Willamette
Processor front side bus frequency	<= 1.9 GHz Celeron-Willamette
Chipset name	400/533 MHz
Chipset North Bridge and revision	845G
Chipset South Bridge and revision	845G
Super I/O	ICH4
Flash BIOS device	SMSC LPC47M192
Memory type	4Mb Flash
Memory speed	DDR
Memory sockets	PC2100/PC1600
Maximum memory	2 DIMM
256Mbit memory support	2 GB
	Yes

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Product (e.g. Deskjet D2680)

Question or keywords



Tips

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Graphics supplier		Intel
Graphics configuration		Down, In Chipset
Onboard graphics memory		UMA, up to 48 MB
Graphics connector (AGP)		AGP 4X
TV-out device		none
TV-out configuration		none
Audio configuration		AC'97 Down
AC'97 CODEC device		Realtek ALC201
Audio jacks (legend below)		M,LI,LO
	M	Microphone
	LI	Line in
	LO	Line out
	SO	Speaker
	M/G	Midi/Game
CD-in jack		2
Internal Speaker-Out/Line-Out/Headphone-Out Header		Speaker out header
Ethernet 10/100 LAN supplier		Realtek RTL8100(B)L
Ethernet configuration		Down
IDE UDMA modes		ATA-100/66/33
Expansion slots (AGP/PCI/Exten)		AGP, 3 PCI
USB specification		USB 2.0
USB ports (front)		2
USB ports (rear)		4
Serial, Parallel, Floppy, PS2 Keyboard and Mouse		1S, 1P, 1F, PS2 K+M
Serial Port front chassis option		No
Fan Headers (CPU, System, Power supply)		CPU, System
Available Manufacturing Options (legend below)		
	A	Audio down on motherboard
	C	External L2 cache on motherboard
	E	1394 on motherboard
	G	Graphics down (on motherboard or in chipset)
	L	LAN on motherboard (Ethernet)P - PCMCIA slot
	S	S3 power management support
	T	TV-out on motherboard
	U	Graphics card (up, not on motherboard)
	W	Microsoft® Windows XP hardware compliant
		-G, A, S,

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Layout and photos

Figure 1: Layout

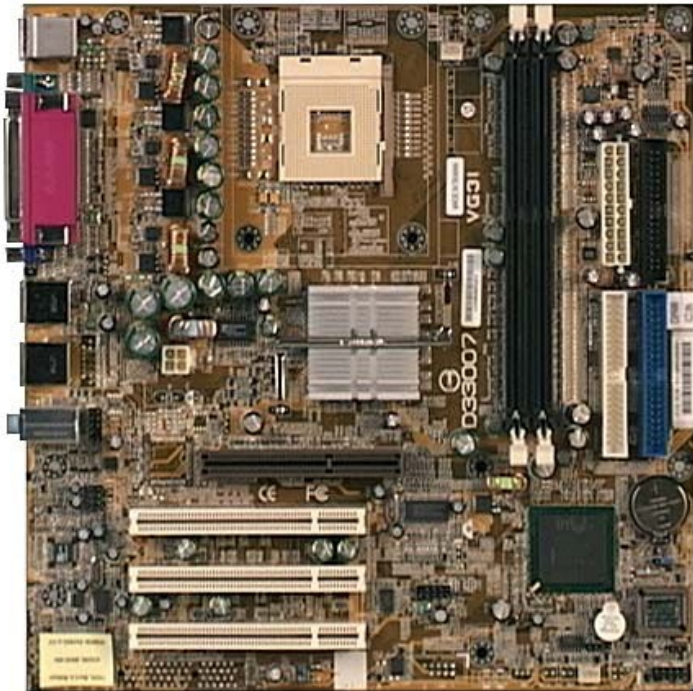
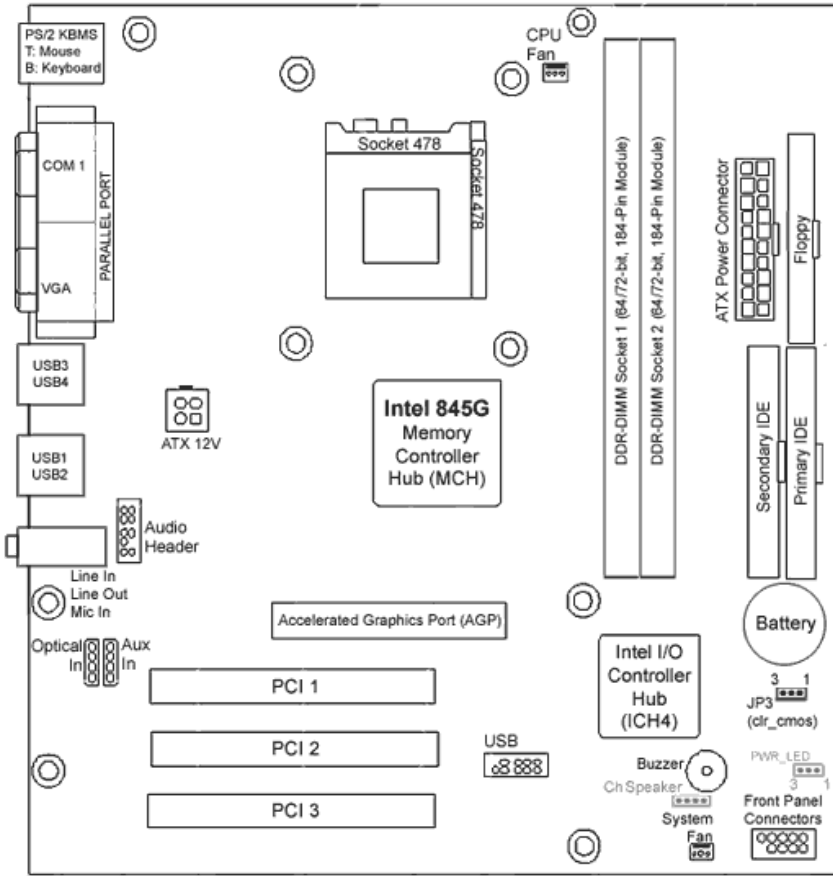
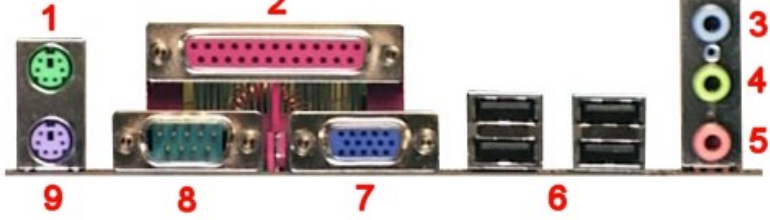


Figure 2: Backplate



- 1 - Mouse
- 2 - Parallel
- 3 - Line-in
- 4 - Line-out
- 5 - Microphone
- 6 - USB
- 7 - VGA
- 8 - Serial
- 9 - Keyboard

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Clearing the CMOS settings

The Clear RTC RAM (3-pin JP3) jumper allows you to clear the Real Time Clock (RTC) RAM in CMOS. It also allows clearing of date, time, and system setup parameter memories in CMOS, by erasing the RTC RAM data. The onboard button cell battery powers the RAM data in CMOS, including system setup information such as system passwords.

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CAUTION: Do not change any jumper setting while the computer is on. Damage to the motherboard can result.

1. Turn off the PC and unplug the power cord.
2. Move the JP3 jumper cap from pins 1-2 (normal) to pins 2-3 (clear CMOS).
3. Keep the JP3 jumper cap on pins 2-3 for 5 to 10 seconds, then move it back to pins 1-2.
4. Plug in the power cord and turn on the PC.
5. Enter the **BIOS setup** to change BIOS settings.

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