

**NEW**



### Features

- Compliant with PICMG 1.0
- Supports LGA 775 Intel Core™ 2 Duo FSB 1066 MHz Processors
- Supports Dual Channel DDR2 667 SDRAM
- Dual GbE LAN via PCIe x1 Lane
- 2 COM Ports, 4 SATA ports, 8 USB ports
- Supports CF socket and DVI interface for G2 sku

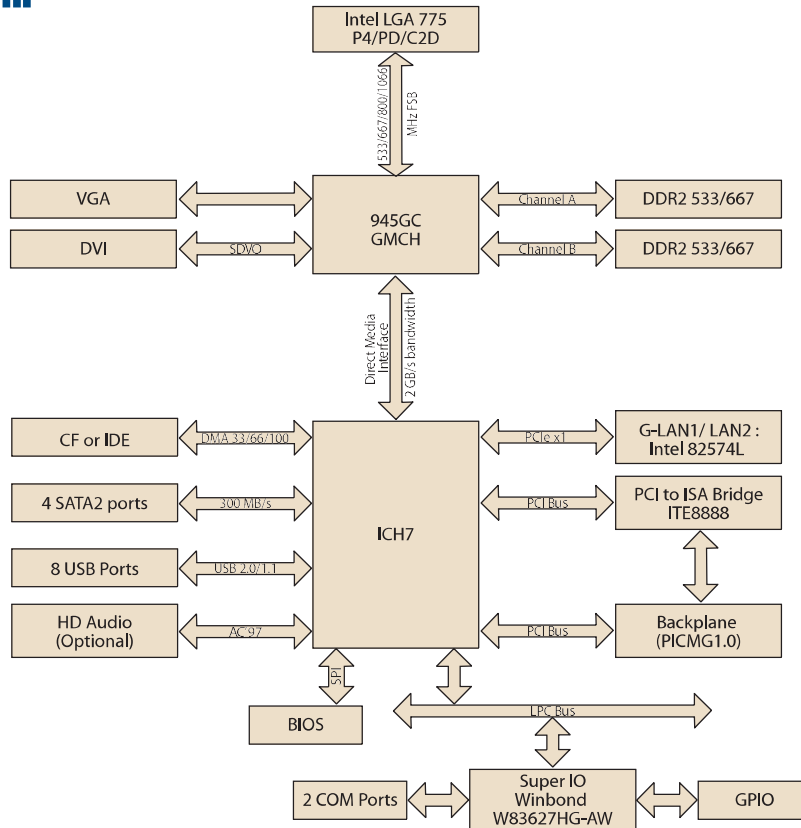


### CPU-48 Specifications

Processor System	CPU	Core 2 Duo					
	FSB	1066 MHz					
	Max Speed	2.8 GHz					
	L2 Cache	3M					
	Chipset	Intel 945GC + ICH7					
	BIOS	SPI 8 Mb					
	Front Side Bus	533/667/800/1066 MHz					
Bus	PCI	32-bit/33 MHz PCI					
	ISA	HISA (ISA High Drive)					
Memory	Technology	Dual-channel DDR2 533/667 MHz DIMMs					
	Max. Cap.	4 GB					
	Socket	240-pin DIMM x 2					
Graphics	Integrated	Up to 2048 x 1536 @ 75 Hz refresh					
	VRAM	Shared with 224 MB system memory					
	Video Output	15 Pin D-sub Connector x1/DVI connector x1 (only for G2 sku)					
Ethernet	Interface	1000 Mbps					
	Controller	Intel 82574L					
	Connector	RJ45 with LED Connector x 2					
SATA	Bandwidth	300 MB/s					
	Channel	4 ports					
EIDE	Mode	ATA 100/66/33					
	Channel	1 (Supports up to 2 IDE devices ; Master device is alternative for CF socket in G2 sku)					
I/O Interface	USB 2.0	8 ports					
	Serial	2 RS-232					
	Parallel	1 (EPP/ECP)					
	FDD	1					
	PS/2	1 (for mouse and keyboard, a Y cable is included in the package)					
	CF	1 (only for G2 sku)					
Watchdog Timer	Output	Interrupt, system reset					
	Interval	Programmable 1, 2, 4, 8, ..., 256 sec					
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)					
Power Requirement	CPU	Configuration 1: Core 2 Duo E4300 (1.8G, 65W) + DDRII 667 2G x 2					
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V
	Current	3.82 A	5 A	0 A	0.24 A	0 A	0 A
	CPU	Configuration 2: Pentium4 670 (3.8G, 115W) + DDRII 667 2G x 2					
	Voltage	+12 V	+5 V	+3.3 V	+5 VSB	-12 V	-5 V
	Current	12.59 A	5.81 A	0 A	0.24 A	0 A	0 A
Environment	Temperature	Operating				Non-Operating (Storage)	
		0 ~ 60° C (32 ~ 140° F) (operation humidity: 40° C @ 85% RH Non-Condensing)				-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing	
Physical	Dimensions	338 mm (L) x 122 mm (W) (13.3" x 4.8")					

# Protogate CPU-48

## Board Diagram



	LAN	VGA	COM	SATA	USB	DVI	CF
	Dual GbE	Yes	2	4	7	Yes	Yes

## Bracket View

