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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

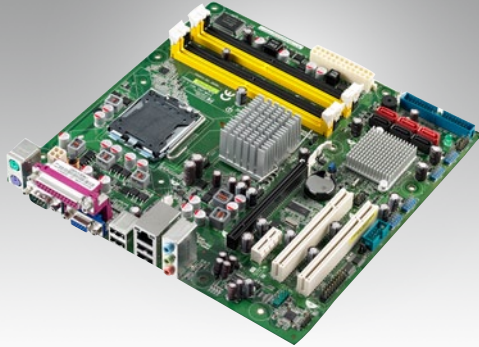
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# SIMB-U01

Intel® Core™2 Quad LGA775, Core™2 Duo MicroATX with VGA, 2 COM, and LAN



## Features

- Socket 775 supports Intel® Core™2 Quad FSB 800/ 1066/ 1333 MHz CPU
- Intel Q45 + ICH10DO chipset supports Intel AMT 5.0
- Four 240-pin DDR2 DIMM 667/ 800 MHz, up to 8 GB
- Intel Graphics Media Accelerator 4500
- Realtek ALC888, 5.1 + 2 Channel with 2 independent HD Streaming Audio
- Intel 82567LM Gigabit LAN
- 1 x PCIe x16, 1 x PCIe x1, 2 x PCI, 1 x IDE
- 2 COM, 12 USB 2.0, 6 SATA II, 16-bit GPIO, 1 LPT
- 6 SATA II support RAID 0, 1, 5, 10
- Intel Integrated TPM 1.2

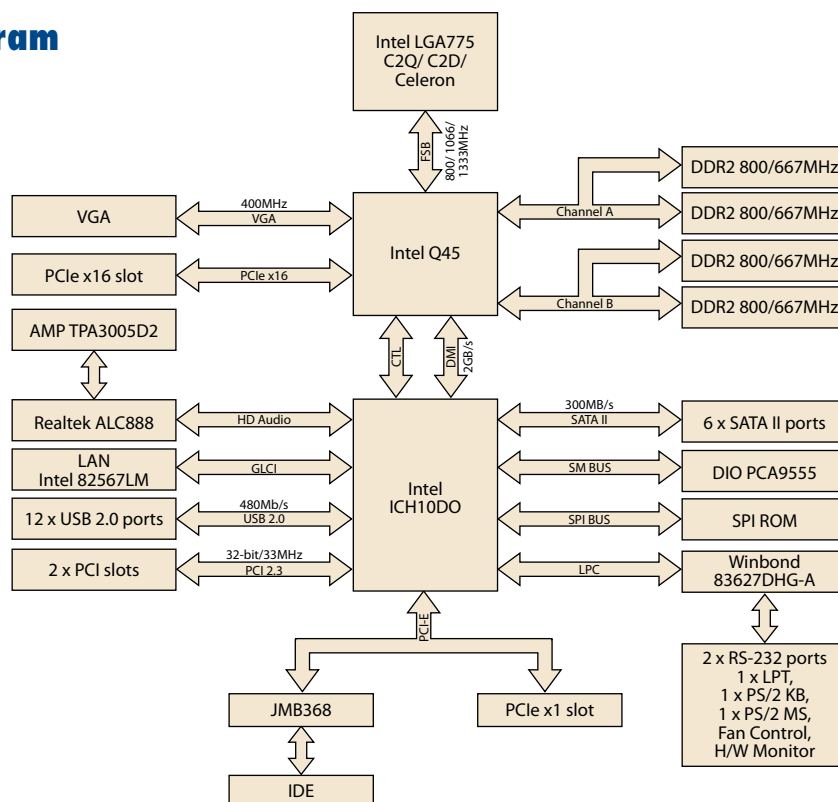


CE FCC

## Specifications

		Intel Core2 Quad	Intel Core2 Duo	Intel Pentium Dual-Core	Intel Celeron
Processor System	CPU	Intel Core2 Quad	Intel Core2 Duo	Intel Pentium Dual-Core	Intel Celeron
	Max. Speed	Q9400 2.66 GHz	E8400 3.0 GHz	E6500 2.6 GHz	440 2.0 GHz
	L2 Cache	6 MB	6 MB	2 MB	512 KB
	Chipset	Intel Q45 + ICH10DO			
	BIOS	Award 32 Mbit , SPI			
	Front Side Bus	800/1066/1333 MHz			
Expansion Slots	PCI	32-bit/33 MHz, 2 slot			
	PCIe x16	4.0 GB/s per direction, 1 slot			
	PCIe	250 MB/s per direction, 1 slot			
	Mini-PCIe	-			
Memory	Technology	Dual channel DDR2 667/800 MHz			
	Max. Capacity	8 GB			
	Socket	4 x 240-pin DIMM			
Graphics	Controller	Intel Graphics Media Accelerator 4500 integrated			
	VRAM	Intel DVMT 4.0 supports up to 352 MB video memory			
	VGA	Yes , on board GMA 4500			
	LVDS	Through ADD2 LVDS Card			
	DVI	Through ADD2 DVI Card			
	HDMI	Through ADD2 HDMI Card			
	Dual Display	-			
Ethernet	Interface	10/100/1000 Mbps			
	Controller	Intel 82567LM			
	Connector	1 x RJ-45			
SATA	Max Data Transfer Rate	300 MB/s (SATA II)			
	Channel	6			
EIDE	Mode	ATA 100/66/33			
	Channel	1 (max. 2 devices)			
Rear I/O	VGA	1			
	DVI	-			
	Ethernet	1			
	USB	4			
	Audio	3 (Line-out, Line-in, Mic-in)			
	Parallel	1 (LPT)			
	Serial	1 (RS-232)			
	PS/2	2 (1 x keyboard and 1 x mouse)			
Internal Connectors	USB	8 x internal			
	Serial	1 (RS-232)			
	IDE	1			
	SATA	6 (SATA II)			
	Parallel	-			
	GPIO	16-bit (8-bit DI and 8-bit DO)			
Watchdog Timer	Output	System reset			
	Interval	Programmable 1 ~ 255 sec/min			
Security	TPM	Onboard TPM 1.2 by Infineon SLB9635			
Power Requirement	Power On	+12 V 6.05 A	+5 V 3.27 A	+3.3 V 1.68 A	5VS V 2.01 A
	Temperature	Operating 0 ~ 50° C (32 ~ 122° F)		Non-Operating -20 ~ 70° C (-4 ~ 158° F)	
Physical Characteristics	Dimensions	244 mm x 244 mm (9.6" x 9.6")			

## Block Diagram

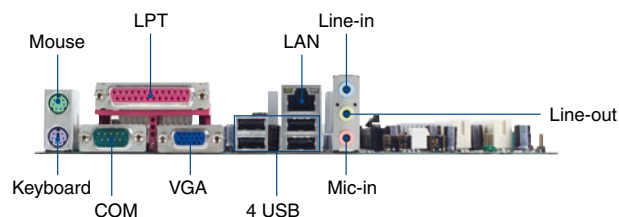


## Ordering Information

P/N	CPU	CHIPSET	VGA	GbE	USB	COM	SATA
SIMB-U01-6VG00A1E	Intel Core 2 Quad / Core 2 Duo / Pentium / Celeron	Intel Q45 + ICH10DO	1	1	12 (4 x rear, 8 x internal)	2 RS-232 (1 x rear, 1 x internal)	6 x SATA II

Note: Minimum order quantity is 200 pieces

## I/O View



## Packing List

Description	Quantity
SATA cable kit (SATA/POWER)	1
I/O shield	1
Startup manual	1 (per 10 units)
Driver CD	1 (per 10 units)

## Optional Accessories

Part Number	Description
1960022033T000	LGA775 CPU cooler for 2U chassis
1700003195	USB cable with two ports, 17.5 cm
1700002204	USB cable with two ports, 27 cm
1700008461	USB cable with two ports, 30.5 cm