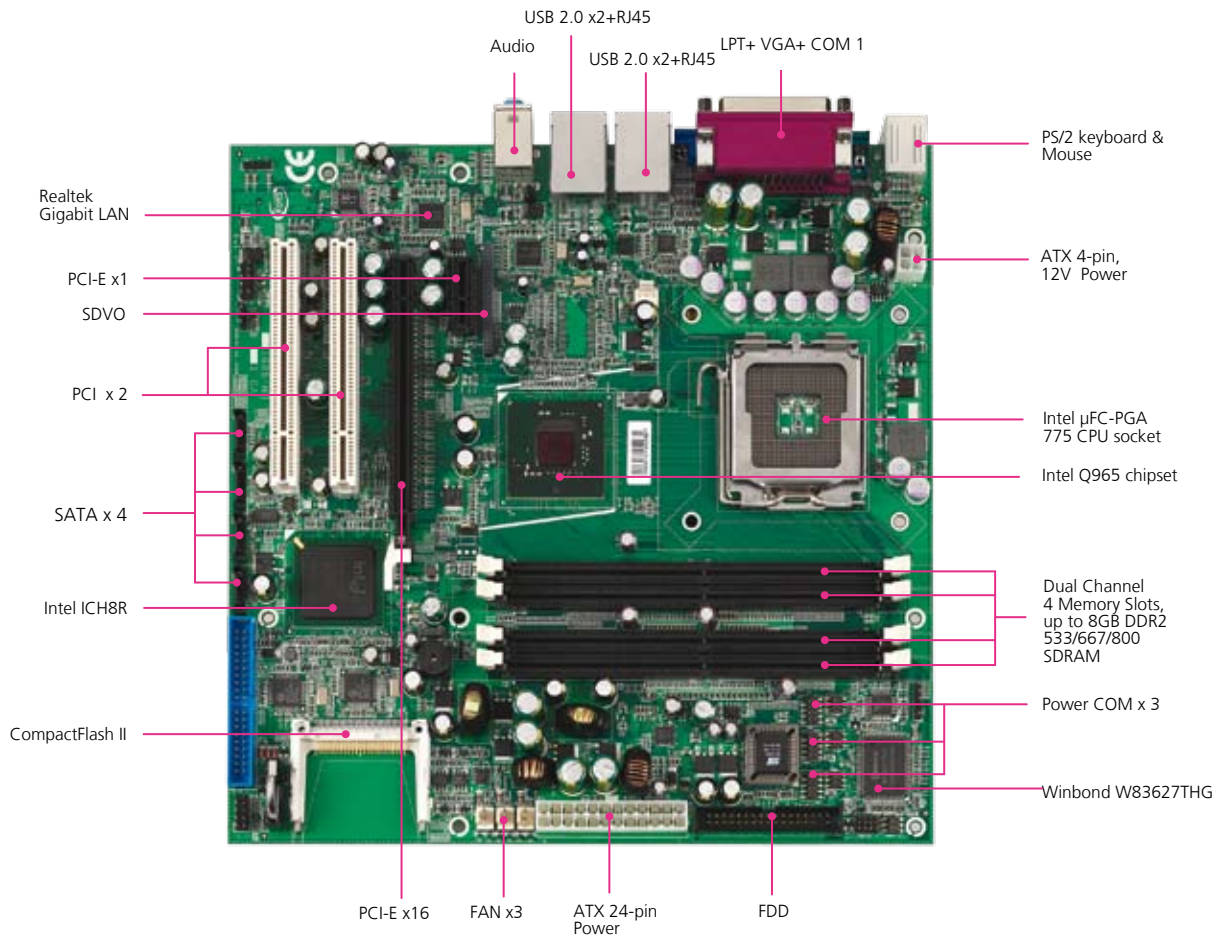


# EM-9881

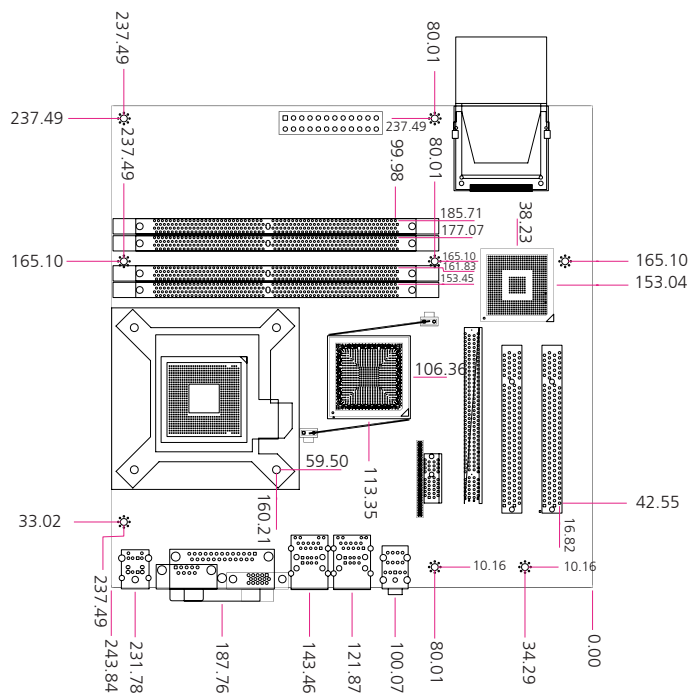
Intel® Q965 LGA775 EBC with DDR2/ Dual display/ SATA/ Power COM/ USB/ LAN/ PCI-E/ CF

- VGA
- SDVO
- AUDIO
- GbE LAN
- PCI-E x16
- SATA
- PCOM
- PCI/Mini-PCI
- CF II



## FEATURES

- Supports Intel Conroe Core 2 Duo LGA775 CPUs, FSB 533/800/1066MHz
- Intel Q965 + ICH8R Chipset
- Four DIMMs up to 8 GB Dual Channel DDR2 533/667/800 MHz SDRAM
- Intel Graphics Media Accelerator 950
- Integrated SDVO supports add-on LVDS, TV-out or DVI module
- Dual gigabit LAN with PXE support
- 1 PCI-E X16, 1 PCI-E X1, 2 PCI
- 4 COM, 6 USB 2.0, 4 SATA 300/150, CF

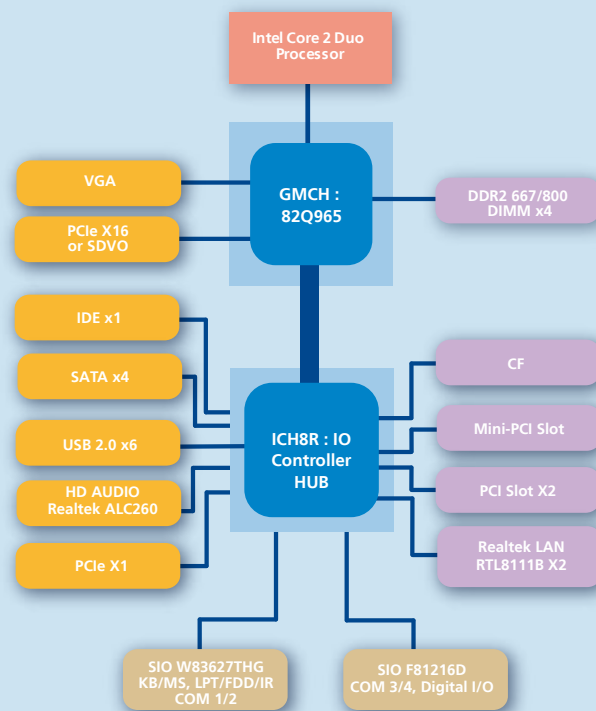


FEATURE	DESCRIPTION	
	Form Factor	Micro-ATX
<b>Platform</b>	Processor	Supports Intel Conroe Core 2 Duo with VT, Pentium D 900 sequence, Pentium 4 with HT, FSB 533/667/800 MHz, LGA775
	Chipset	Intel Q965 +ICH8R
	BIOS	AMI Flash BIOS
	Cache Memory	Processor Built-in
<b>System Memory</b>	Technology	DDR2 533/667/800 MHz SDRAM
	Max Capacity	8GB
	Socket	240-pin DIMM x4
<b>Storage Interface</b>	Hard Drive Interface	IDE x1, Serial ATA II x4
	SSD(CF Socket)	CompactFlash III x1
<b>Networking</b>	Speed	10/100/1000 Mbps
	I/O	RJ45 x2
	Controller	Realtek RTL8111B-GR
<b>Display</b>	Controller	Intel GMA 3000 2D/3D graphics media accelerator
	Shared memory	Support up to 224MB Video Memory
	Output	VGA, SDVO supports add on LVDS, TV-out or DVI module
<b>Audio</b>	Codec	Realtek ALC260/262 HD audio codec, NS LM4950 amplifier
	I/O	Mic-in, Line-in, Line-out
<b>I/O Interface</b>	FDD Interface	FDD Header x 1
	Serial Port	RS-232 x3, RS-232/422/485 x1 (all serial headers+5/12V support)
	Parallel Port	1
	Universal Serial Bus	6 (v2.0)
	Digital IO	8 x TTL input , 8 x TTL output
	Keyboard	PS/2
	Mouse	PS/2
<b>Hardware Monitoring</b>	Controller	Winbond W83627THG intergated hardware monitor funciton
	RTC	RTC with Li-Battery
	Watchdog timer	256-level time-out intervals
<b>Cooling</b>	Heatsink & Fan	
<b>Expansion</b>	PCI Express (x16) x 1, PCI Express (x1) x 1, PCI x 2, Mini-PCI slot x 1	
<b>Environmental Parameters</b>	Temperature, ambient operating	0~60°C (32~140°F)
	Humidity (RH), ambient operating	0%~90% relative humidity, non-condensing
	Storage Temperature	-20~70°C (-4~158°F)
<b>Physical Dimensions</b>	Dimensions	243.84 mm x 243.84 mm (9.6" x 9.6")
<b>Power</b>	Input	DC +3.3V/+5V/+12V/+5Vsb
	Form Factor	ATX support
<b>Compliance</b>	CE, FCC, RoHS	

## ORDERING INFORMATION

<b>EM-9881A</b>	Intel Q965 Micro-ATX motherboard
<b>IAC-LT02</b>	High-speed SDVO (1G~2Gbps) AC-coupled serial differential RGB inputs: LVDS 18-bit and 24-bit outputs TV-Out VGA to SDTV/EDTV/HDTV conversion supporting resolutions up to 1600 x 1200
<b>IAC-DV02</b>	DVI hot plug detection Digital Visual Interface (DVI) Transmitter up to 165M

## PLATFORM ARCHITECTURE



### About Lanner

Founded in 1986 and publicly listed (TAIEX 6245) since 2003, Lanner Electronics Inc. is an ISO 9001 certified designer and manufacturer of reliable, frontline security, storage and applied computing platforms and solutions. With headquarters in Taipei, Taiwan and branches in the U.S., India, and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

### Contact information

Lanner Electronics Inc  
7F, 173, Section 2 Datong road  
Sijhih City, Taipei County 221, Taiwan

**T** +886 2 86926060

**F** +886 2 86926101

**E** sales@lannerinc.com

**W** www.lannerinc.com