

**ATX Motherboard for Embedded Products**

# FB14

**RICOH**

Model: FB14G-LS(G965) / FB14Q-LS(Q965)

**Support for the Latest Core™2 Duo Processor using Intel® G965/Q965**

**Intel® G965/Q965 Chipset**

**Integrated Graphic**

**LGA775 CPU Socket**

**FSB 533/800/1066MHZ**

**DDR2 DIMM Socket x4**

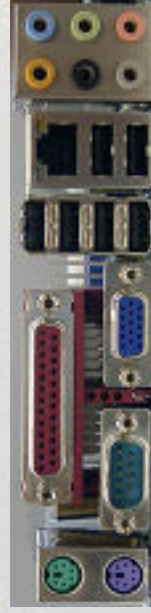
**DDR2 533/667/800**

**Dual Access support**

**Serial/ATA x 4**

**PCI slot x 4**

**I/O connectors**



**PCI Express x4 slot x 1**

**PCI Express x16 slot x 1**

**PCI Express x1 slot x 1**

Photo is FB14G-LS(G965 model)

## Features

FB14G-LS (G965 model) / FB14Q-LS (Q965 model)

- Latest Chipset Intel®G965/Q965
- Support for “Core™2 Duo” Dual Core processor
- Support for DDR2 Memory (Dual Channel Access)
  - Maximum Capacity 8GB

## ● Highly expandable in the ATX form factor

- Supporting PCI Express x4/x1 (1slot each) as well as 4 slots\*1 of PCI provides highly expandable systems.
- Supporting high performance interfaces such as Serial ATAx4ch, USB2.0x10ch, GbE and 7.1Ch Audio.

\*1: FB14-LS: 4 PCI slots / FB14Q-LS: 3 PCI slots

## ● Providing PCI Express x16 External Graphic Slot

- Supporting PCI Express x16 High Performance Graphic Card in addition to integrated graphic supported with onboard chipset.

## ● Complies with RoHS directives

Ricoh Company Ltd

<http://www.ricoh.co.jp/fbx/>

Ricoh Electronics, Inc.

<http://www.rei.ricoh.com/>



## Specification

CPU	Supporting CPU	Core 2 Duo Family Processors Pentium 4 Processor Single core Celeron D Processors
	CPU Socket	LGA775
Memory	FSB	533/800/1066MHz
	Type	DDR2-533/667/800
	Access	Dual Channel
	Registered/Unbuffered	Unbuffered
	ECC	Not Supported
Chipset	Sockets	4 sockets
	Max capacity	8GB
Video	Chipset	Intel G965/Q965
	Video	Integrated in chipset
	Audio	7.1 ch Audio Codec
LAN	LAN	GbE on board
	USB	6ports (USB2.0)
External I/F	AnalogRGB	1port
	Serial	1port(COM A)
	Parallel	1port
	PS/2	Keyboard,Mouse
	LAN	GbE 1port
Internal I/F	Audio	Line-IN, Line-OUT, MIC Center Woofer/Sub woofer Rear Surround, Side Surround
	PCI slot	4slots (FB14G-LS)/ 3slots(FB14Q-LS)
	PCI Express x4 slot	1slot(socket is x8)
	PCI Express x16 slot	1slot
	IDE	2ch(FB14Q-LS only)
Internal I/F	FDD	1ch
	SerialATA	4ports
	USB header	4ports (USB2.0)
	Serial header	1port(COM B)
	Front Panel header	PowerSW,ResetSW,LED, NIC LED, OH LED
	Internal Audio	CD-In / Front Panel Audio
	FAN	GPU,CASE1,CASE2
System Monitoring	Voltage, Temperature, FAN speed	
	WatchDog,Timer	
BIOS		Phoenix
Security		TPM integrated
Supporting OS		Windows2000 Professional WindowsXP Professional
Form Factor		ATX 294.64mm x 241.3mm

\*The specification is subject to change without notice.

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