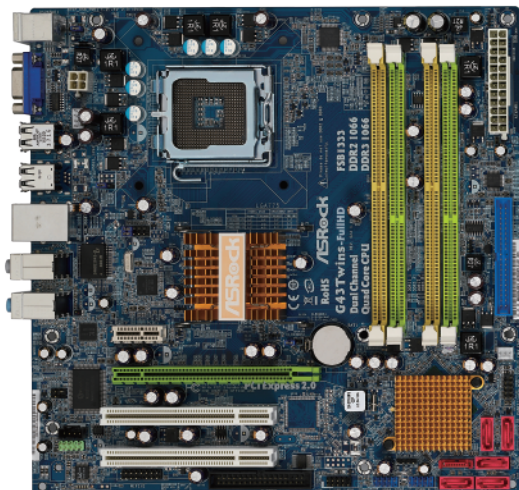


# G43Twins-FullHD

Intel® G43 + ICH10 Chipsets

**ASRock**  
www.asrock.com



## Product Brief

- LGA 775 for Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Pentium® Dual Core / Celeron® Dual Core / Celeron®, supporting **Penryn Quad Core Yorkfield and Dual Core Wolfdale** processors
- **Solid Capacitor for CPU power**
- Supports **FSB 1333/1066/800MHz** CPUs
- Supports **Dual Channel DDR3 1066/800** (2 x DIMM slots) with max. capacity up to 4GB and **Dual Channel DDR2 1066/800/667** (2 x DIMM slots) with max. capacity up to 8GB
- Intel® Graphics Media Accelerator **X4500, Pixel Shader 4.0, DirectX 10**, Max. shared memory **352MB**
- 1 x **PCI Express 2.0** x16 slot (green @ x16 mode)
- **6 x SATAII 3.0** Gb/s connectors, support NCQ, AHCI and Hot Plug functions
- **PCI Express Gigabit LAN** 10/100/1000 Mb/s
- **Three VGA Output options: D-Sub, DVI-D and Display Port** with ASRock DVI\_DisplayPort Card
- Supports **HDCP function** with ASRock DVI\_DisplayPort Card
- Supports **Full HD 1080p Blu-ray (BD) / HD-DVD playback** with ASRock DVI\_DisplayPort Card
- **7.1 CH Windows® Vista™ Premium Level HD Audio** (ALC888 Audio Codec)
- 1 x **WiFi/E header**
- Supports **I. O. T.** (Intelligent Overclocking Technology), **ASRock OC Tuner**
- Supports **Smart BIOS**
- **Windows® Vista™ Premium 2008 Logo Ready**
- **Free Bundle: 1 x ASRock DVI\_DisplayPort Card**

## Detail Specification

<b>Platform</b>	- Micro ATX Form Factor: 9.6-in x 9.6-in, 24.4 cm x 24.4 cm - Solid Capacitor for CPU power
<b>CPU</b>	- LGA 775 for Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Pentium® Dual Core / Celeron® Dual Core / Celeron®, supporting Penryn Quad Core Yorkfield and Dual Core Wolfdale processors - Supports FSB1333/1066/800 MHz - Supports Hyper-Threading Technology - Supports Untied Overclocking Technology - Supports EM64T CPU
<b>Chipset</b>	- Northbridge: Intel® G43 - Southbridge: Intel® ICH10
<b>Memory</b>	- Dual Channel DDR3/DDR2 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 1066/800 non-ECC, un-buffered memory - Max. capacity: 4GB - 2 x DDR2 DIMM slots - Supports DDR2 1066/800/667 non-ECC, un-buffered memory - Max. capacity: 8GB
<b>Expansion Slot</b>	- 1 x PCI Express 2.0 x16 slot (green @ x16 mode) - 1 x PCI Express x1 slot - 2 x PCI slots
<b>Graphics</b>	- Intel® Graphics Media Accelerator X4500 - Pixel Shader 4.0, DirectX 10 - Max. shared memory 352MB - Three VGA Output options: D-Sub, DVI-D and DisplayPort with ASRock DVI_DisplayPort Card - Supports DVI-D and DisplayPort with ASRock DVI_DisplayPort Card - Supports HDCP function with ASRock DVI_DisplayPort Card - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with ASRock DVI_DisplayPort Card
<b>Audio</b>	- 7.1 CH Windows® Vista™ Premium Level HD Audio (ALC888 Audio Codec)
<b>LAN</b>	- PCI-E x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111B/RTL8111C - Supports Wake-On-LAN
<b>Rear Panel I/O</b>	ASRock GLAN_8CH I/O - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x VGA Port - 6 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port - HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
<b>Connector</b>	- 6 x SATAII 3.0 Gb/s connectors, support NCQ, AHCI and Hot Plug functions - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x IR header - 1 x COM port header - CPU/Chassis FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - CD in header - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports) - 1 x WiFi/E header
<b>BIOS Feature</b>	- 8Mb AMI BIOS - AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - CPU, DRAM, NB, SB, VTT Voltage Multi-adjustment - Supports I. O. T. (Intelligent Overclocking Technology) - Supports Smart BIOS
<b>Support CD</b>	- Drivers, Utilities, AntiVirus Software (Trial Version)
<b>Unique Feature</b>	- ASRock OC Tuner - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.)
<b>Hardware Monitor</b>	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
<b>OS</b>	- Microsoft® Windows® 2000 / XP / XP 64-bit / Vista™ / Vista™ 64-bit compliant
<b>Certifications</b>	- FCC, CE, WHQL
<b>Accessories</b>	- Quick Installation Guide, Support CD, I/O Shield - Floppy/ATA 133 Cables - 1 x SATA Data Cable (Optional) - 1 x SATA 1 to 1 Power Cable (Optional) - 1 x ASRock DVI_DisplayPort Card (Optional)

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