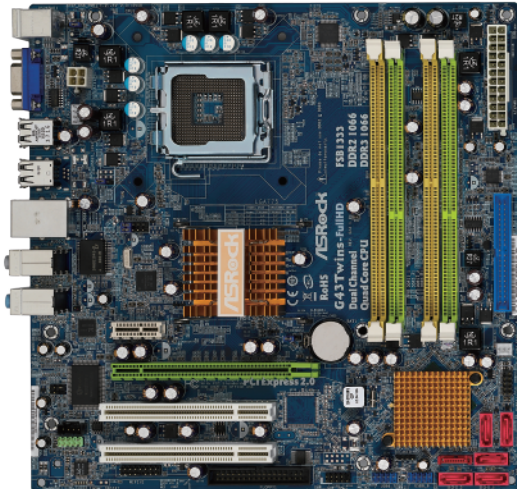


G43Twins-FullHD

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

Platform	- Micro ATX Form Factor: 9.6-in x 9.6-in, 24.4 cm x 24.4 cm - Solid Capacitor for CPU power
CPU	- 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 United Overclocking Technology - Supports EM64T CPU
Chipset	- Northbridge: Intel® G43 - Southbridge: Intel® ICH10
Memory	- 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
Expansion Slot	- 1 x PCI Express 2.0 x16 slot (green @ x16 mode) - 1 x PCI Express x1 slot - 2 x PCI slots
Graphics	- 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
Audio	- 7.1 CH Windows® Vista™ Premium Level HD Audio (ALC888 Audio Codec)
LAN	- PCI-E x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111B/RTL8111C - Supports Wake-On-LAN
Rear Panel I/O	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
Connector	- 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
BIOS Feature	- 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
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version)
Unique Feature	- ASRock OC Tuner - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.)
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 2000 / XP / XP 64-bit / Vista™ / Vista™ 64-bit compliant
Certifications	- FCC, CE, WHQL
Accessories	- 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)

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.