



GBR - United Kingdom

- HOME
- DOWNLOAD DRIVERS
- BUY
- PRODUCTS
- TECHNOLOGIES
- COMMUNITIES
- COMPANY INFO
- NEWS
- SUPPORT

**PRODUCT INFO**

- Features & Benefits
- Tech Specs
- Technical Briefs

**ADDITIONAL INFO**

**"Designed by NVIDIA"**

For flexibility, performance, and outstanding experience, choose "Designed by NVIDIA" designated boards marketed by authorized partners. For a complete list of motherboards, visit SLIZONE.

**NVIDIA® SLI™ technology**

The ultimate gaming experience. Learn more about the world's fastest gaming platform.



**Technical Specifications**

	<b>NVIDIA nForce 680i SLI</b>	<b>NVIDIA nForce 680i LT SLI</b>	<b>NVIDIA nForce 650i SLI</b>	<b>NVIDIA nForce 650i Ultra</b>	<b>NVIDIA nForce 630i</b>
<b>Segment</b>	Extreme Enthusiast SLI	Extreme Performance SLI	Performance SLI	Performance	Mainstream
<b>Socket</b>	Intel Socket 775	Intel Socket 775	Intel Socket 775	Intel Socket 775	Intel Socket 775
<b>CPU</b>	Core 2 Extreme (dual and quad core) Core 2 Quad Core 2 Duo Celeron D Pentium 4 Pentium D 9XX Pentium D 8XX	Core 2 Extreme (dual and quad core) Core 2 Quad Core 2 Duo Celeron D Pentium 4 Pentium D 9XX Pentium D 8XX	Core 2 Extreme (dual and quad core) Core 2 Quad Core 2 Duo Celeron D Pentium 4 Pentium D 9XX Pentium D 8XX	Core 2 Extreme (dual and quad core) Core 2 Duo Celeron D Pentium 4 Pentium D 9XX Pentium D 8XX	Core 2 Extreme (dual and quad core) Core 2 Duo Celeron D Pentium 4 Pentium D 9XX Pentium D 8XX
<b>FSB (MHz)</b>	1333* MHz	1333* MHz	1333* MHz	1333* MHz	1333* MHz
<b>Extreme FSB Overclocking</b>	Best	Good	Good	Good	N/A
<b>NVIDIA SLI™ Technology</b>	2 x16 or 3-way**	2 x16	2 x8	X	X
<b>ESA Support</b>	✓	X	X	X	X
<b>NVIDIA System Monitor</b>	✓	X	X	X	X
<b>NVIDIA Control Panel – Performance Group</b>	✓	✓	✓	✓	X
<b>Third PCIe Graphics Expansion Slot</b>	✓	✓	X	X	X
<b>SLI-Ready Memory (MHz) with EPP</b>	1200 MHz	800 MHz	N/A	N/A	N/A
<b>JEDEC DDR2 Memory (MHz)</b>	800 MHz	800 MHz	800 MHz	800 MHz	800 MHz
<b>***NVIDIA LinkBoost™ technology</b>	X	X	X	X	X
<b>PCI Express</b>					
<b># Lanes</b>	46	46	18	18	18
<b># Links</b>	9	9	4	3	3
<b>Configuration</b>	16, 16, 8, 1, 1, 1, 1, 1, 1	16, 16, 8, 1, 1, 1, 1, 1, 1	8, 8, 1, 1 or 16, 1, 1	16, 1, 1	16, 1, 1
<b>SATA/PATA drives</b>	6/2	6/2	4/4	4/4	4/2
<b>SATA speed</b>	3Gb/s	3Gb/s	3Gb/s	3Gb/s	3Gb/s
<b>RAID</b>	0,1,0+1,5	0,1,0+1,5	0,1,0+1,5	0,1,0+1,5	0,1
<b>NVIDIA MediaShield™ Storage Technology</b>	✓	✓	✓	✓	✓
<b>Native Gigabit Ethernet Connections</b>	2	2	1	1	1
<b>NVIDIA FirstPacket™ technology</b>	✓	✓	✓	✓	X
<b>NVIDIA DualNet® technology</b>	✓	✓	X	X	X
<b>Teaming</b>	✓	✓	X	X	X
<b>TCP/IP Acceleration</b>	✓	✓	X	X	X
<b>NVIDIA nTune™ Utility</b>	✓	✓	✓	✓	X
<b>USB ports</b>	10	10	8	8	8
<b>PCI Slots</b>	5	5	5	5	5
<b>Audio</b>	HDA (Azalia)	HDA (Azalia)	HDA (Azalia)	HDA (Azalia)	HDA (Azalia)

\* Available on CPUs supporting 1333MHz FSB

\*\* Available when paired with three NVIDIA GeForce 8800 GTX or GeForce 8800 Ultra graphics cards

\*\*\* Note: NVIDIA LinkBoost™ technology has been removed as a feature from NVIDIA nForce® 680i SLI