

VGA Card

Product name: Z77A-G45 GAMING

BIOS ver.: H.0

PCI Express VGA Card

ATI GPU

	Model	VGA Chip	VGA Memory / Memory Type	VGA BIOS	Direct X	Bus Interface		Result
MSI	V234-07S	Radeon HD 5400	1024MB/GDDR3	012.020.000.054	11	x16	Gen2	OK
	V212-08S	Radeon HD 5450	512MB/GDDR3	012.017.000.000	11	x16	Gen2	OK
	V215-03S	Radeon HD 5570	1024MB/GDDR3	012.016.000.000	11	x16	Gen2	OK
	V220-04S	Radeon HD 5670	512MB/GDDR5	012.019.000.007	11	x16	Gen2	OK
	V208-02S	Radeon HD 5750	1024MB/GDDR5	012.013.000.000	11	x16	Gen2	OK
	V803-463	Radeon HD 5770	1024MB/GDDR5	012.012.000.003	11	x16	Gen2	OK
	V209-04S	Radeon HD 5830	1024MB/GDDR5	012.020.000.001	11	x16	Gen2	OK
	V803-451	Radeon HD 5850	1024MB/GDDR5	012.011.000.006	11	x16	Gen2	OK
	V210-01S	Radeon HD 5870	1024MB/GDDR5	012.020.000.023	11	x16	Gen2	OK
	V803-475	Radeon HD 5970	2048MB/GDDR5	012.013.000.002	11	x16	Gen2	OK
	V212-24S	Radeon HD 6450	1024MB/GDDR3	013.012.000.008	11	x16	Gen2	OK
	V250-06S	Radeon HD 6570	1024MB/GDDR3	013.011.000.015	11	x16	Gen2	OK
	V253-05S	Radeon HD 6670	1024MB/GDDR5	013.012.000.006	11	x16	Gen2	OK
	V250-180	Radeon HD 6670	2048MB/GDDR3	013.012.000.041 Hybrid	11	x16	Gen2	OK
	V208-14S	Radeon HD 6700	1024MB/GDDR5	012.020.000.055	11	x16	Gen2	OK
	V208-19S	Radeon HD 6750	1024MB/GDDR5	012.020.000.056	11	x16	Gen2	OK
	V214-09S	Radeon HD 6770	1024MB/GDDR5	012.020.000.055	11	x16	Gen2	OK
	V244-20S	Radeon HD 6790	1024MB/GDDR5	013.012.000.021	11	x16	Gen2	OK
	V244-02S	Radeon HD 6850	1024MB/GDDR5	013.009.000.004	11	x16	Gen2	OK
	V245-03S	Radeon HD 6870	1024MB/GDDR5	013.010.000.001	11	x16	Gen2	OK
	V803-661	Radeon HD 6870	1024MB/GDDR5	013.006.000.006	11	x16	Gen2	OK
	V246-010	Radeon HD 6950	2048MB/GDDR5	013.011.000.001	11	x16	Gen2	OK
	V803-677	Radeon HD 6970	2048MB/GDDR5	013.008.000.009	11	x16	Gen2	OK
	V279-01S	Radeon HD 7750	1024MB/GDDR5	015.014.000.003	11	x16	Gen3	OK
	V279-20S	Radeon HD 7750	2048MB/GDDR3	015.024.000.001 Hybrid	11	x16	Gen3	OK
	V271-01S	Radeon HD 7770	1024MB/GDDR5	015.014.000.001	11	x16	Gen3	OK
	V271-02S	Radeon HD 7770	1024MB/GDDR5	015.014.000.004	11	x16	Gen3	OK
	V273-01S	Radeon HD 7850	2048MB/GDDR5	015.017.000.000	11	x16	Gen3	OK
	V274-01S	Radeon HD 7870	2048MB/GDDR5	015.015.000.002	11	x16	Gen3	OK
	V276-01S	Radeon HD 7950	3072MB/GDDR5	015.013.000.010	11	x16	Gen3	OK
	V277-01S	Radeon HD 7970	3072MB/GDDR5	015.012.000.004	11	x16	Gen3	OK

PCI Express VGA Card (CrossFireX – 2 GPU)

	Model	VGA Chip	VGA Memory / Memory Type	VGA BIOS	Direct X	Bus Interface		Result
MSI	V208-02S	Radeon HD 5750	1024MB/GDDR5	012.013.000.000	11	x16	Gen2	OK
	V803-463	Radeon HD 5770	1024MB/GDDR5	012.012.000.003	11	x16	Gen2	OK
	V209-04S	Radeon HD 5830	1024MB/GDDR5	012.020.000.001	11	x16	Gen2	OK

	V803-451	Radeon HD 5850	1024MB/GDDR5	012.011.000.006	11	x16	Gen2	OK
	V210-01S	Radeon HD 5870	1024MB/GDDR5	012.020.000.023	11	x16	Gen2	OK
	V244-20S	Radeon HD 6790	1024MB/GDDR5	013.012.000.021	11	x16	Gen2	OK
	V244-02S	Radeon HD 6850	1024MB/GDDR5	013.009.000.004	11	x16	Gen2	OK
	V245-03S	Radeon HD 6870	1024MB/GDDR5	013.010.000.001	11	x16	Gen2	OK
	V803-661	Radeon HD 6870	1024MB/GDDR5	013.006.000.006	11	x16	Gen2	OK
	V246-010	Radeon HD 6950	2048MB/GDDR5	013.011.000.001	11	x16	Gen2	OK
	V803-677	Radeon HD 6970	2048MB/GDDR5	013.008.000.009	11	x16	Gen2	OK
	V271-01S	Radeon HD 7770	1024MB/GDDR5	015.014.000.001	11	x16	Gen3	OK
	V273-01S	Radeon HD 7850	2048MB/GDDR5	015.017.000.000	11	x16	Gen3	OK
	V276-01S	Radeon HD 7950	3072MB/GDDR5	015.013.000.010	11	x16	Gen3	OK
	V277-01S	Radeon HD 7970	3072MB/GDDR5	015.012.000.004	11	x16	Gen3	OK

PCI Express VGA Card (CrossFireX – 4 GPU)

2 GPU x 2

	Model	VGA Chip	VGA Memory / Memory Type	VGA BIOS	Direct X	Bus Interface		Result
MSI	V803-475	Radeon HD 5970	2048MB/GDDR5	012.013.000.002	11	x16	Gen2	OK

Nvidia GPU

	Model	VGA Chip	VGA Memory / Memory Type	VGA BIOS	Direct X	Bus Interface		Result
MSI	V229-02S	GeForce 210	1024MB/GDDR3	70.18.64.00.05	10	x16	Gen2	OK
	V229-43S	GeForce 210	1024MB/DDR3	70.18.9C.00.08 Hybrid	10	x16	Gen2	OK
	V229-15S	GeForce GS 210	1024MB/DDR3	70.18.5E.00.00	10	x16	Gen2	OK
	V230-18S	GeForce GT 430	1024MB/DDR3	70.08.29.00.00	11	x16	Gen2	OK
	V230-39S	GeForce GT 430	1024MB/DDR3	70.08.34.00.00	11	x16	Gen2	OK
	V230-32S	GeForce GT 440	1024MB/DDR3	70.08.45.00.00	11	x16	Gen2	OK
	V258-01S	GeForce GT 440	512MB/GDDR5	70.08.45.00.00	11	x16	Gen2	OK
	V236-01S	GeForce GTS 450	1024MB/DDR5	70.06.13.00.00	11	x16	Gen2	OK
	V232-01S	GeForce GTX 460	768MB/GDDR5	70.04.0B.00.00	11	x16	Gen2	OK
	V232-03S	GeForce GTX 460	1024MB/GDDR5	70.04.13.00.00	11	x16	Gen2	OK
	V232-29S	GeForce GTX 460	1024MB/GDDR5	70.04.29.00.02	11	x16	Gen2	OK
	V222-02S	GeForce GTX 465	1024MB/GDDR5	70.00.21.00.04	11	x16	Gen2	OK
	V222-09S	GeForce GTX 470	1280MB/GDDR5	70.00.21.00.03	11	x16	Gen2	OK
	V801-817	GeForce GTX 480	1536MB/GDDR5	70.00.21.00.02	11	x16	Gen2	OK
	V263-01S	GeForce GT 520	1024MB/DDR3	75.19.1B.00.01	11	x16	Gen2	OK
	V261-05S	GeForce GTX 550	1024MB/DDR5	70.26.20.00.00	11	x16	Gen2	OK
	V238-29S	Geforce GTX 560	1024MB/GDDR5	70.24.21.00.00	11	x16	Gen2	OK
	V255-10S	GeForce GTX 570	1280MB/GDDR5	70.10.38.00.00	11	x16	Gen2	OK
	V801-1036	GeForce GTX 580	1536MB/GDDR5	70.10.17.00.01	11	x16	Gen2	OK
	V263-30S	GeForce GT 610	2048MB/DDR3	75.19.55.00.02	11	x16	Gen2	OK
	V230-126S	GeForce GT 620	1024MB/DDR3	70.08.AD.00.01	11	x16	Gen2	OK
	V269-04S	GeForce GT 630	2048MB/DDR3	70.08.AD.00.00	11	x16	Gen2	OK

	V275-34S	GeForce GT 640	2048MB/DDR3	80.07.26.00.3F Hybrid	11	x16	Gen3	OK
	V280-030	GeForce GTX 650	1024MB/GDDR5	80.07.35.00.9A	11	x16	Gen3	OK
	V280-25S	GeForce GTX 650Ti	1024MB/GDDR5	80.06.21.00.35	11	x16	Gen3	OK
	V287-04S	GeForce GTX 660	2048MB/GDDR5	80.06.10.00.15 Hybrid	11	x16	Gen3	OK
	V284-050	GeForce GTX 660Ti	2048MB/GDDR5	80.04.4B.00.57 Hybrid	11	x16	Gen3	OK
	V284-01S	GeForce GTX 670	2048MB/GDDR5	80.04.19.00.0B	11	x16	Gen3	OK
	V284-030	GeForce GTX 670	2048MB/GDDR5	80.04.31.00.46 Hybrid	11	x16	Gen3	OK
	V282-01S	GeForce GTX 680	2048MB/GDDR5	80.04.09.00.01	11	x16	Gen3	OK
	V283-02S	GeForce GTX 680 LIGHTNING	2048MB/GDDR5	80.04.47.00.18 Hybrid	11	x16	Gen3	OK
	V801-Z59	GeForce GTX 690	2048MB/GDDR5	80.04.1E.00.14	11	x16	Gen3	OK
	V801-1253	Geforce GTX TITAN	2048MB/GDDR5	80.10.2C.00.02 Hybrid	11	x16	Gen3	OK

PCI Express VGA Card (SLI)

	Model	VGA Chip	VGA Memory / Memory Type	VGA BIOS	Direct X	Bus Interface		Result
MSI	V236-01S	GeForce GTS 450	1024MB/DDR5	70.06.13.00.00	11	x16	Gen2	OK
	V232-03S	GeForce GTX 460	1024MB/GDDR5	70.04.13.00.00	11	x16	Gen2	OK
	V232-29S	GeForce GTX 460	1024MB/GDDR5	70.04.29.00.02	11	x16	Gen2	OK
	V222-02S	GeForce GTX 465	1024MB/GDDR5	70.00.21.00.04	11	x16	Gen2	OK
	V222-09S	GeForce GTX 470	1280MB/GDDR5	70.00.21.00.03	11	x16	Gen2	OK
	V801-817	GeForce GTX 480	1536MB/GDDR5	70.00.21.00.02	11	x16	Gen2	OK
	V261-05S	GeForce GTX 550	1024MB/DDR5	70.26.20.00.00	11	x16	Gen2	OK
	V238-29S	Geforce GTX 560	1024MB/GDDR5	70.24.21.00.00	11	x16	Gen2	OK
	V255-10S	GeForce GTX 570	1280MB/GDDR5	70.10.38.00.00	11	x16	Gen2	OK
	V801-1036	GeForce GTX 580	1536MB/GDDR5	70.10.17.00.01	11	x16	Gen2	OK
	V287-04S	GeForce GTX 660	2048MB/GDDR5	80.06.10.00.15 Hybrid	11	x16	Gen3	OK
	V284-050	GeForce GTX 660Ti	2048MB/GDDR5	80.04.4B.00.57 Hybrid	11	x16	Gen3	OK
	V284-01S	GeForce GTX 670	2048MB/GDDR5	80.04.19.00.0B	11	x16	Gen3	OK
	V282-01S	GeForce GTX 680	2048MB/GDDR5	80.04.09.00.01	11	x16	Gen3	OK

PCI Express VGA Card (Quad SLI)

	Model	VGA Chip	VGA Memory / Memory Type	VGA BIOS	Direct X	Bus Interface		Result
MSI	V801-Z59	GeForce GTX 690	2048MB/GDDR5	80.04.1E.00.14	11	x16	Gen3	OK