VGA Card

Product name: Z77IA-E53
BIOS ver.: A.0
PCI Express VGA Card
ATI GPU

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

Power On / Off 5x	VGA Driver Version	CD Driver Version	Speed Check	3D Mark / Benchmark	Quality
PCI_E					
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK

OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK
OK	8.950.0.0	G71-VAT1006	5.0X16	OK	OK

Nvidia GPU

Model		VGA Chip	VGA Memory / Memory Type	VGA BIOS
MSI	V240-01S	GeForce 8400 GS	512MB/GDDR3	70.18.7A.00.00
	V229-02S	GeForce 210	1024MB/GDDR3	70.18.64.00.05
	V229-15S	GeForce GS 210	1024MB/DDR3	70.18.5E.00.00
	V191-35S	GeForce GT 220	1024MB/GDDR3	70.16.2E.00.02
	V199-010	GeForce GT 220	1024MB/GDDR3	70.16.2E.00.02
	V207-07S	GeForce GT 240	512MB/GDDR5	70.15.27.00.02
	V154-45S	GeForce GTS 250	1024MB/GDDR3	62.92.AF.00.0B
	V177-14S	GeForce GTX 275	896MB/GDDR3	62.00.60.00.01
	V188-03S	GeForce GTX 285	1024MB/GDDR3	62.00.50.00.01
	V801-804	GeForce GTX 295	1792MB/GDDR3	62.00.6C.00.01/02
	V230-18S	GeForce GT 430	1024MB/DDR3	70.08.29.00.00
	V230-39S	GeForce GT 430	1024MB/DDR3	70.08.34.00.00
	V230-32S	GeForce GT 440	1024MB/DDR3	70.08.45.00.00
	V258-01S	GeForce GT 440	512MB/GDDR5	70.08.45.00.00
	V236-01S	GeForce GTS 450	1024MB/DDR5	70.06.13.00.00
	V232-01S	GeForce GTX 460	768MB/GDDR5	70.04.0B.00.00
	V232-03S	GeForce GTX 460	1024MB/GDDR5	70.04.13.00.00
	V232-11S	GeForce GTX 460	768MB/GDDR5	70.04.0B.00.00
	V232-29S	GeForce GTX 460	1024MB/GDDR5	70.04.29.00.02
	V222-02S	GeForce GTX 465	1024MB/GDDR5	70.00.21.00.04
	V222-09S	GeForce GTX 470	1280MB/GDDR5	70.00.21.00.03
	V801-817	GeForce GTX 480	1536MB/GDDR5	70.00.21.00.02
	V263-01S	GeForce GT 520	1024MB/DDR3	75.19.1B.00.01
	V261-05S	GeForce GTX 550	1024MB/DDR5	70.26.20.00.00
	V238-29S	Geforce GTX 560	1024MB/GDDR5	70.24.21.00.00
	V255-10S	GeForce GTX 570	1280MB/GDDR5	70.10.38.00.00
	V801-1036	GeForce GTX 580	1536MB/GDDR5	70.10.17.00.01
	V284-01S	GeForce GTX 670	2048MB/GDDR5	80.04.19.00.0B
	V282-01S	GeForce GTX 680	2048MB/GDDR5	80.04.09.00.01

Power On / Off 5x PCI_E	VGA Driver Version	CD Driver Version	Speed Check	3D Mark / Benchmark	Quality
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK

OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK
OK	8.17.13.142	G71-VNA1005	OK	OK	OK