



Empowering Tomorrow's AI Computing

ZRT SFF Graphics Card Series

PRODUCT CATALOG

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NVIDIA SFF Series

NVIDIA GeForce GTX1650 4G GDDR5 VGA+HDMI+DP PCIe 16x



Specification:

Model	GTX1650 4GD5 VHP
Graphics Processing Unit	NVIDIA GeForce GTX1650
NVIDIA CUDA Core	896SP
Memory Size	4G 128bit GDDR5
Graphics Clock	1485MHz (Boost 1665MHz)
Memory Clock	2001MHz (8.0 Gbps)
Memory Bandwidth	128.1GB/s
Single Precision FLOPS	2962GFLOPS
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (165*70*24mm)
Display Features	VGA+HDMI2.0+Display Port1.4
Single Resolution	VGA:2048*1536@60Hz HDMI:4096*2160@60Hz Display Port: 7680x4320@120Hz
Board Power	75W
Operation System	Windows 7/10 64bit, Linux 64bit
Accessories	Low Profile Bracket (HDMI+DP & VGA)、Manual、Driver CD
Operating Temperature	0~45°C
Storage Temperature	-20~75°C

Surround (Landscape)	Surround (Portrait)
1x2(3840x1080@60Hz)	1x2(2160x1920@60Hz)
2x1(1920x2160@60Hz)	2x1(1080x3840@60Hz)
1x3(5760x1080@60Hz)	1x3(3240x1920@60Hz)
3x1(1920x3240@60Hz)	3x1(1080x5760@60Hz)

Benchmark	Score	Benchmark	Score
3Dmark13 FS	8754	Cuda	
3Dmark11	X4047 P11340	single kernels	53.2896 / 53.7789
3Dmark Vantage	26888	N=10 w/o streams	2515.02 / 91.323
Heaven	3128	N=10 with streams	2548.33 / 92.0627
鲁大师	104294	N=10 batched	2651.46 / 92.0361
Furmark	71°C		

NVIDIA SFF Series

NVIDIA GeForce GTX1650 4G GDDR5 HDMI+DP PCIe 16x



Specification:

Model	GTX1650 4GD5 HP
Graphics Processing Unit	NVIDIA GeForce GTX1650
NVIDIA CUDA Core	896SP
Memory Size	4G 128bit GDDR5
Graphics Clock	1485MHz (Boost 1665MHz)
Memory Clock	2001MHz (8.0 Gbps)
Memory Bandwidth	128.1GB/s
Single Precision FLOPS	3017GFLOPS
Double Precision FLOPS	94.27GFLOPS
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/2 Slot (165*70*34mm)
Display Features	HDMI2.0+Display Port1.4 (VGA Option)
Single Resolution	HDMI:4096*2160@60Hz Display Port:7680x4320@120Hz
Board Power	75W
Operation System	Windows 7/10 64bit, Linux 64bit
Accessories	Low Profile Bracket (HDMI+DP)、Manual、Driver CD
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Surround (Landscape)	Surround (Portrait)
1x2(3840x1080@60Hz)	1x2(2160x1920@60Hz)
2x1(1920x2160@60Hz)	2x1(1080x3840@60Hz)

Benchmark	Score	Benchmark	Score
3Dmark13 FS	8754	Cuda	
3Dmark11	X4047 P11340	single kernels	53.2896 / 53.7789
3Dmark Vantage	26888	N=10 w/o streams	2515.02 / 91.323
Heaven	3128	N=10 with streams	2548.33 / 92.0627
鲁大师	104294	N=10 batched	2651.46 / 92.0361
Furmark	70°C		

NVIDIA SFF Series

NVIDIA GeForce GTX1050Ti 4G GDDR5 DP+HDMI+DVI PCIe 16x



Specification:

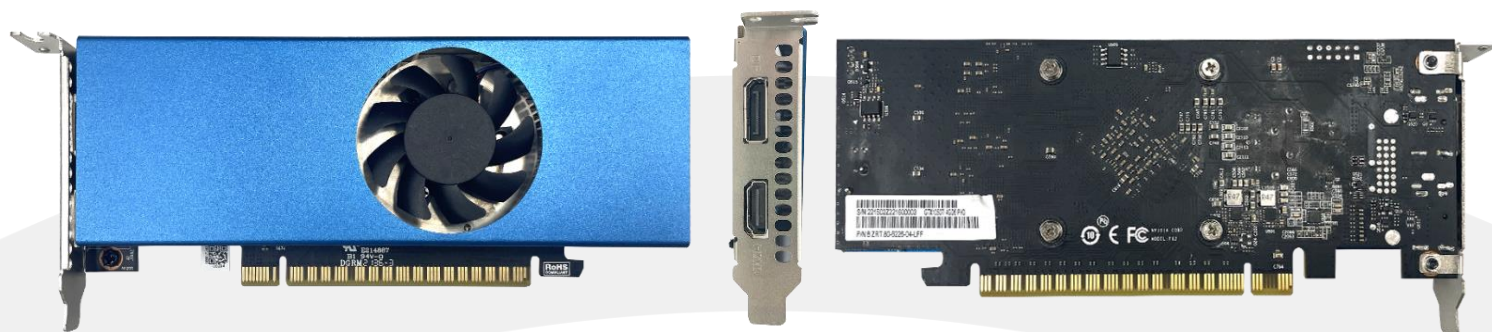
Model	GTX1050Ti 4GD5 PHD SFF
Graphics Processing Unit	NVIDIA GeForce GTX1050Ti
NVIDIA CUDA Core	768SP
Memory Size	4G 128bit GDDR5
Graphics Clock	1354MHz (Boost 1468MHz)
Memory Clock	1752MHz (7.0 Gbps)
Memory Bandwidth	112.1GB/s
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/2 Slot (167*69*33mm)
Display Features	DVI-D+HDMI2.0+Display Port1.4
Single Resolution	DVI:1920*1080@60Hz HDMI:4096*2160@60Hz DP:7680*4320@120Hz
Board Power	75W
Operation System	Windows 7/8/8.1/10 32/64bit、 Windows 11、 Linux 32/64bit
Accessories	Low Profile Bracket、 Manual、 Driver CD
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Surround (Landscape)	Surround (Portrait)
1x2(3840x1080@60Hz)	1x2(2160x1920@60Hz)
2x1(1920x2160@60Hz)	2x1(1080x3840@60Hz)
1x3(5760x1080@60Hz)	1x3(3240x1920@60Hz)
3x1(1920x3240@60Hz)	3x1(1080x5760@60Hz)

Benchmark	Score
3Dmark13 FS	5402
3Dmark11	X2392
	P6522
	E9372
3Dmark Vantage	24671
鲁大师	63226
Furmark	48°C

NVIDIA SFF Series

NVIDIA GeForce GTX1050Ti 4G GDDR5 DP+HDMI PCIe 16x



Specification:

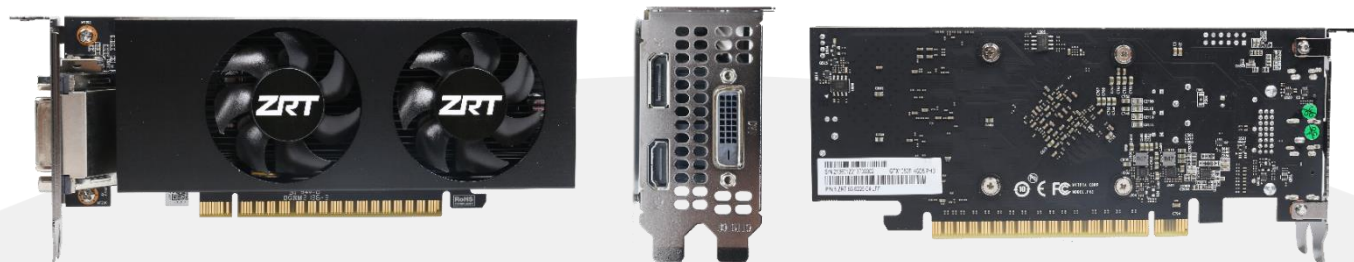
Model	GTX1050Ti 4GD5 PH SFF
Graphics Processing Unit	NVIDIA GeForce GTX1050Ti
NVIDIA CUDA Core	768SP
Memory Size	4G 128bit GDDR5
Graphics Clock	1354MHz (Boost 1468MHz)
Memory Clock	1752MHz (7.0 Gbps)
Memory Bandwidth	112.1GB/s
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (167*69*24mm)
Display Features	HDMI2.0+Display Port1.4
Single Resolution	HDMI:4096*2160@60Hz DP:7680*4320@120Hz
Board Power	75W
Operation System	Windows 7/8/8.1/10 32/64bit、 Windows 11、 Linux 32/64bit
Accessories	Bracket
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Surround (Landscape)	Surround (Portrait)
1x3(5760x1080@60Hz) 3x1(1920x3240@60Hz)	1x3(3240x1920@60Hz) 3x1(1080x5760@60Hz)

Benchmark	Score
3Dmark13 FS	5402
3Dmark11	X2392
	P6522
	E9372
3Dmark Vantage	24671
鲁大师	63226
Furmark	48°C

NVIDIA SFF Series

NVIDIA GeForce GTX1050 2G GDDR5 DP+HDMI+DVI PCIe 16x



Specification:

Model	GTX1050 2GD5 PHD
Graphics Processing Unit	NVIDIA GeForce GTX1050
NVIDIA CUDA Core	640SP
Memory Size	2G 128bit GDDR5
Graphics Clock	1354MHz (Boost 1455MHz)
Memory Clock	1752MHz (7.0 Gbps)
Memory Bandwidth	112.1GB/s
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/2 Slot (167*69*33mm)
Display Features	DVI-D+HDMI2.0+Display Port1.4
Single Resolution	DVI:1920*1080@60Hz HDMI:4096*2160@60Hz DP:7680*4320@120Hz
Board Power	75W
Operation System	Windows 7/8/8.1/10 32/64bit、Linux 32/64bit
Accessories	Low Profile Bracket、Manual、Driver CD
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)

Surround (Landscape)	Surround (Portrait)
1x2(3840x1080@60Hz)	1x2(2160x1920@60Hz)
2x1(1920x2160@60Hz)	2x1(1080x3840@60Hz)
1x3(5760x1080@60Hz)	1x3(3240x1920@60Hz)
3x1(1920x3240@60Hz)	3x1(1080x5760@60Hz)

Benchmark	Score
3Dmark13 FS	6766
3Dmark11	P8537 X3002
3Dmark Vantage	21882
Heaven	2646
鲁大师	78411
Furmark	64°C

NVIDIA SFF Series

NVIDIA GeForce GT1030 4G GDDR5 HDMI+VGA PCIe 16x



Specification:

Model	GT1030 4GD5 HV
Graphics Processing Unit	NVIDIA GeForce GT1030
NVIDIA CUDA Core	384SP
Memory Size	4G 64bit GDDR5
Graphics Clock	1152MHz (Boost 1380MHz)
Memory Clock	1050MHz (4.2 Gbps)
Memory Bandwidth	8.4GB/s
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (148*69*15mm)
Display Features	HDMI2.0+VGA
Single Resolution	HDMI:4096*2160@60Hz VGA:2048*1536@60Hz
Board Power	30W
Operation System	Windows 7/8/8.1/10 64bit、 Windows 11、 Linux 64bit
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)

Surround (Landscape)	Surround (Portrait)
1x2(3840x1080@60Hz)	1x2(2160x1920@60Hz)
2x1(1920x2160@60Hz)	2x1(1080x3840@60Hz)

Benchmark	Score
3Dmark13	FS:1607
	FSE:756
	FSU:312
3Dmark11	X899
	P3162
	E5024
3Dmark Vantage	9016
glmark2	2275
鲁大师	27248
Furmark	56°C

NVIDIA SFF Series

NVIDIA GeForce GT1030 2G GDDR5 HDMI+DVI PCIe 16x



Specification:

Model	GT1030 2GD5 HD
Graphics Processing Unit	NVIDIA GeForce GT1030
NVIDIA CUDA Core	384SP
Memory Size	2G 64bit GDDR5
Graphics Clock	1228MHz (Boost 1468MHz)
Memory Clock	1502MHz (6.0 Gbps)
Memory Bandwidth	48.1GB/s
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (168*56*17mm)
Display Features	HDMI2.0+DVI-D
Single Resolution	DVI:1920*1080@60Hz HDMI:4096*2160@60Hz
Board Power	30W
Operation System	Windows 7/8/8.1/10 64bit、 Windows 11、 Linux 64bit
Accessories	Low Profile Bracket、 Manual、 Driver CD
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)

Surround (Landscape)	Surround (Portrait)
1x2(3840x1080@60Hz)	1x2(2160x1920@60Hz)
2x1(1920x2160@60Hz)	2x1(1080x3840@60Hz)

Benchmark	Score
3Dmark13	FS:3522
3Dmark11	E7874
	P5079
	X1670
3Dmark Vantage	16738
Heaven	1436
鲁大师	44267
Furmark	60°C

NVIDIA SFF Series

NVIDIA GeForce GT1030 2G GDDR5 DP+DVI PCIe 16x



Specification:

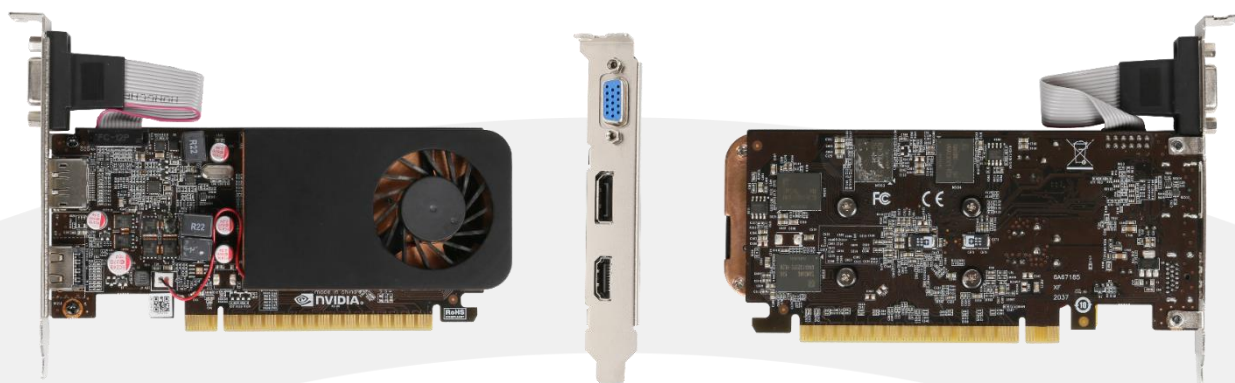
Model	GT1030 2GD5 PD
Graphics Processing Unit	NVIDIA GeForce GT1030
NVIDIA CUDA Core	384SP
Memory Size	2G 64bit GDDR5
Graphics Clock	1228MHz / 1468MHz (Boost)
Memory Clock	1502MHz (6.0 Gbps)
Memory Bandwidth	48.1GB/s
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (168*56*17mm)
Display Features	Display Port1.4+DVI-D
Single Resolution	DVI:1920*1080@60Hz DP:7680*4320@120Hz
Board Power	30W
Operation System	Windows 7/8/8.1/10 64bit、 Windows 11、 Linux 64bit
Accessories	Low Profile Bracket、 Manual、 Driver CD
Operating Temperature	0~ 45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)

Surround (Landscape)	Surround (Portrait)
1x2(3840x1080@60Hz)	1x2(2160x1920@60Hz)
2x1(1920x2160@60Hz)	2x1(1080x3840@60Hz)

Benchmark	Score
3Dmark13	FS:3522
3Dmark11	E7874
	P5079
	X1670
3Dmark Vantage	16738
Heaven	1436
鲁大师	44267
Furmark	60°C

NVIDIA SFF Series

NVIDIA GeForce GTX750Ti 2G GDDR5 VGA+DP+HDMI PCIe 16x



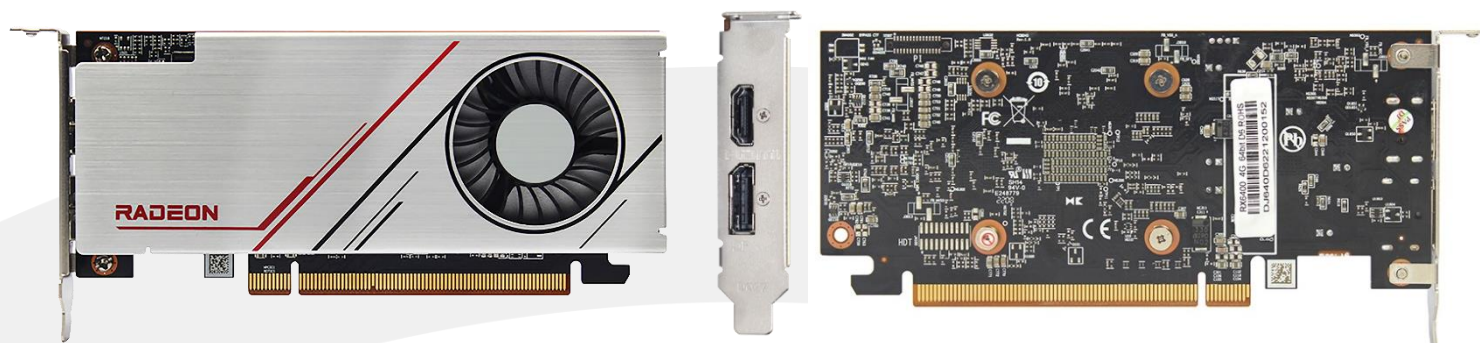
Specification:

Model	GTX750TI 2G VPH
Graphics Processing Unit	NVIDIA GeForce GTX750Ti
NVIDIA CUDA Core	640SP
Memory Size	2G 128bit GDDR5
Graphics Clock	1020MHz (Boost 1085MHz)
Memory Clock	1350MHz (5.4 Gbps)
Memory Bandwidth	86.4GB/s
Single-Precision FLOPS	1358GFLOPS
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (155*69*19.5mm)
Display Features	VGA+Display Port1.2+HDMI1.4
Single Resolution	VGA:2048*1536@60Hz DP:4096*2160@60Hz HDMI:2560*1600@60Hz
Board Power	60W
Operation System	Windows Vista/7/8/8.1/10 64bit、 Windows 11、 Linux 32/64bit
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark13	FS:4271
	FSE:1955
	FSU:702
3Dmark11	X1726
	P4945
	E7144
3Dmark Vantage	20148
Heaven	1121
鲁大师	50951
glmark2	6358
Furmark	85°C

AMD SFF Series

AMD Radeon RX6400 4G GDDR6 DP+HDMI PCIe 16x



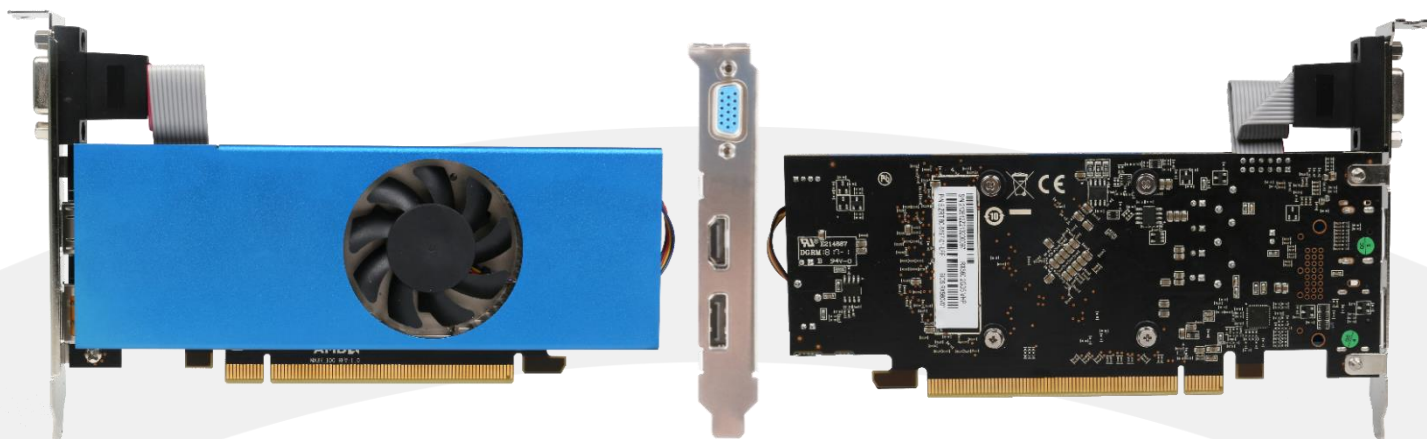
Specification:

Model	RX6400 4GD6 PH
Graphics Processing Unit	AMD Radeon RX6400
Shader Processing Units	768SP
Memory Size	4G 64bit GDDR6
Graphics Clock	2039MHz
Memory Clock	1750MHz (14.0 Gbps)
Memory Bandwidth	112.0GB/s
Interface	PCI-Express 4.0 16x
Board Dimensions	SFF/1 Slot (150*70*17mm)
Display Features	Display Port1.4+HDMI2.1
Single Resolution	HDMI: 7680*4320@60Hz DP:7680*4320@60Hz
Board Power	53W
Operation System	Windows 7/10/11 64bit、Linux 64bit
Accessories	Low Profile Bracket、Manual
DirectX	12
OpenGL	4.6
OpenCL	2.0
Decode	4K H264、H265/HEVC
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark13	FSE:1641
	FS:9371
	FSU:2638
3Dmark11	P15310
	E20101
鲁大师	181398
Furmark	86°C

AMD SFF Series

AMD Radeon RX560 4G GDDR5 VGA+HDMI+DP PCIe 16x



Specification:

Model	RX560 4G VHP
Graphics Processing Unit	AMD Radeon RX560
Shader Processing Units	896SP
Memory Size	4G 128bit GDDR5
Graphics Clock	1275MHz
Memory Clock	1750MHz (7.0 Gbps)
Memory Bandwidth	112.1GB/s
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (168*69*23mm)
Display Features	VGA+HDMI2.0+Display Port1.3
Single Resolution	VGA:2048*1536@60Hz HDMI:4096*2160@60Hz DP:7680*4320@60Hz
Board Power	80W
Operation System	Windows 7/10 64bit、Linux 64bit
Accessories	Low Profile Bracket (HDMI+DP & VGA)、Manual
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark13	FS:5721
	FSE:2569
	FSU:1257
3Dmark11	X1974
	P7639
	E10297
3Dmark Vantage	21190
Heaven	1188
鲁大师	69222
Furmark	70°C

AMD SFF Series

AMD Radeon RX560 2G GDDR5 VGA+HDMI+DP PCIe 16x



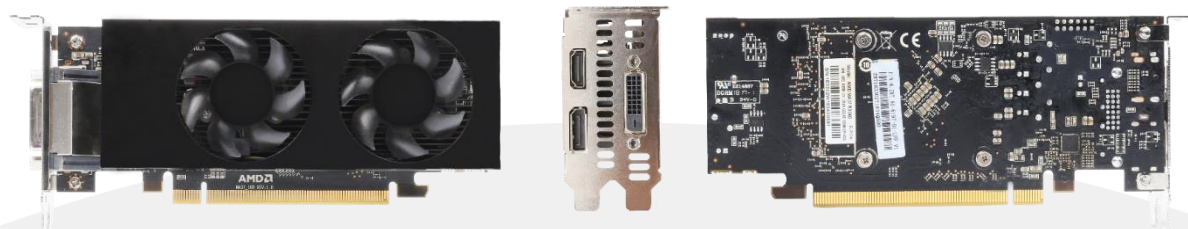
Specification:

Model	RX560 2G VHP
Graphics Processing Unit	AMD Radeon RX560
Shader Processing Units	896SP
Memory Size	2G 128bit GDDR5
Graphics Clock	1275MHz
Memory Clock	1750MHz (7.0 Gbps)
Memory Bandwidth	112.0GB/s
Double Precision FLOPS	42.9GFLOPS
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/2 Slot (168*69*33mm)
Display Features	VGA+HDMI2.0+Display Port1.3
Single Resolution	VGA:2048*1536@60Hz HDMI:4096*2160@60Hz DP:7680*4320@60Hz
Board Power	80W
Operation System	Windows 7/10 64bit、 Linux 64bit
Accessories	Low Profile Bracket (HDMI+DP & VGA)、 Manual、 Driver CD
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark13 FS	5724
3Dmark11	P7687 X1906
3Dmark Vantage	14591
Heaven	1699
鲁大师	72349
Furmark	79°C

AMD SFF Series

AMD Radeon RX550 4G GDDR5 HDMI+DP+DVI PCIe 16x



Specification:

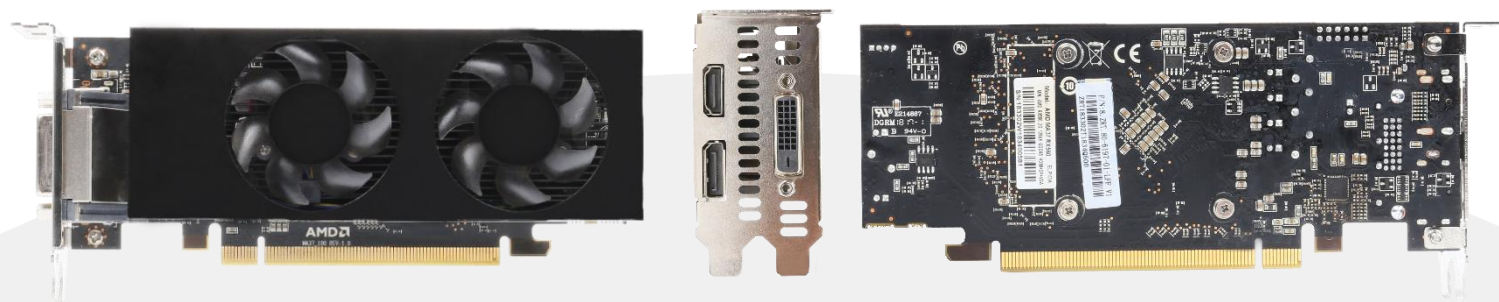
Model	RX550 4G HPD
Graphics Processing Unit	AMD Radeon RX550
Shader Processing Units	768SP
Memory Size	4G 128bit GDDR5
Graphics Clock	1275MHz
Memory Clock	1750MHz (7.0Gbps)
Memory Bandwidth	112.0GB/s
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/2 Slot (168*69*33mm)
Display Features	DVI-D+HDMI2.0+Display Port1.3
Single Resolution	DVI:1920*1080@60Hz HDMI:4096*2160@60Hz DP:7680*4320@60Hz
Board Power	50W
Operation System	Windows 7/10 64bit、Linux 64bit
Accessories	Manual、Driver CD
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Eyefinity (Landscape)	Eyefinity (Portrait)
2x1(3840x1080@60Hz)	2x1(2160x1920@60Hz)
1x2(1920x2160@60Hz)	1x2(1080x3840@60Hz)
3x1(5760x1080@60Hz)	3x1(3240x1920@60Hz)
1x3(1920x3240@60Hz)	1x3(1080x5760@60Hz)

Benchmark	Score
3Dmark13 FS	4965
3Dmark11	E7987
	P6294
	X1698
3Dmark Vantage	19820
Heaven	562
鲁大师	64156
Furmark	73°C

AMD SFF Series

AMD Radeon RX550 2G GDDR5 HDMI+DP+DVI PCIe 16x



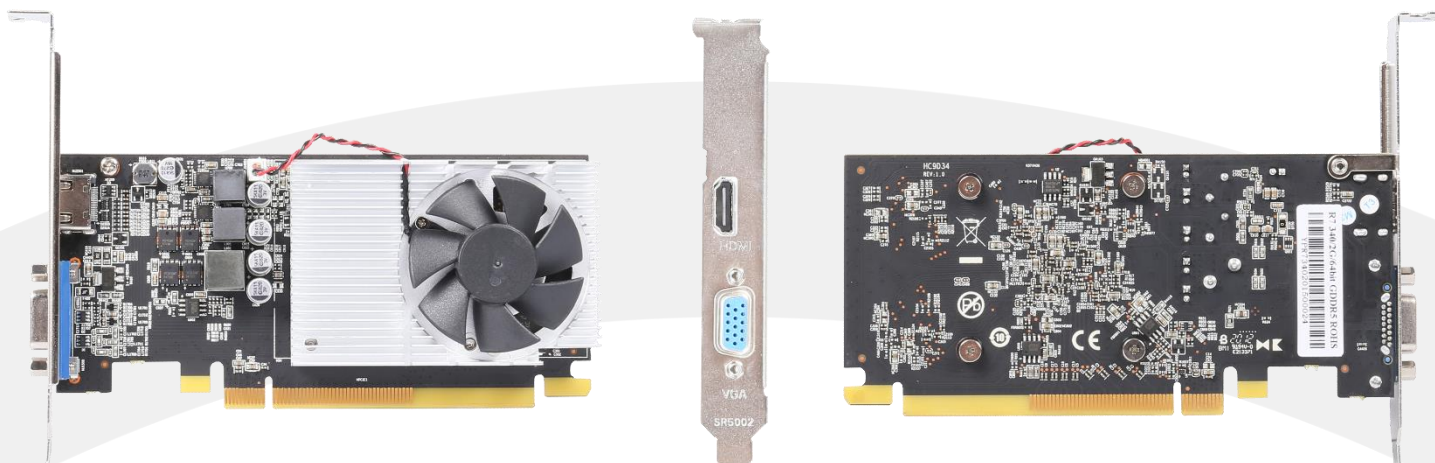
Specification:

Model	RX550 2G HPD
Graphics Processing Unit	AMD Radeon RX550
Shader Processing Units	768SP
Memory Size	2G 128bit GDDR5
Graphics Clock	1275MHz
Memory Clock	1750MHz (7.0Gbps)
Memory Bandwidth	112.0GB/s
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/2 Slot (168*69*33mm)
Display Features	DVI-D+HDMI2.0+Display Port1.3
Single Resolution	DVI:1920*1080@60Hz HDMI:4096*2160@60Hz DP:7680*4320@60Hz
Board Power	50W
Operation System	Windows 7/10 64bit、 Linux 64bit
Accessories	Manual、 Driver CD
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Eyefinity (Landscape)	Eyefinity (Portrait)
2x1(3840x1080@60Hz)	2x1(2160x1920@60Hz)
1x2(1920x2160@60Hz)	1x2(1080x3840@60Hz)
3x1(5760x1080@60Hz)	3x1(3240x1920@60Hz)
1x3(1920x3240@60Hz)	1x3(1080x5760@60Hz)

AMD SFF Series

AMD Radeon R7 340 2G GDDR5 HDM+VGA PCIe 16x



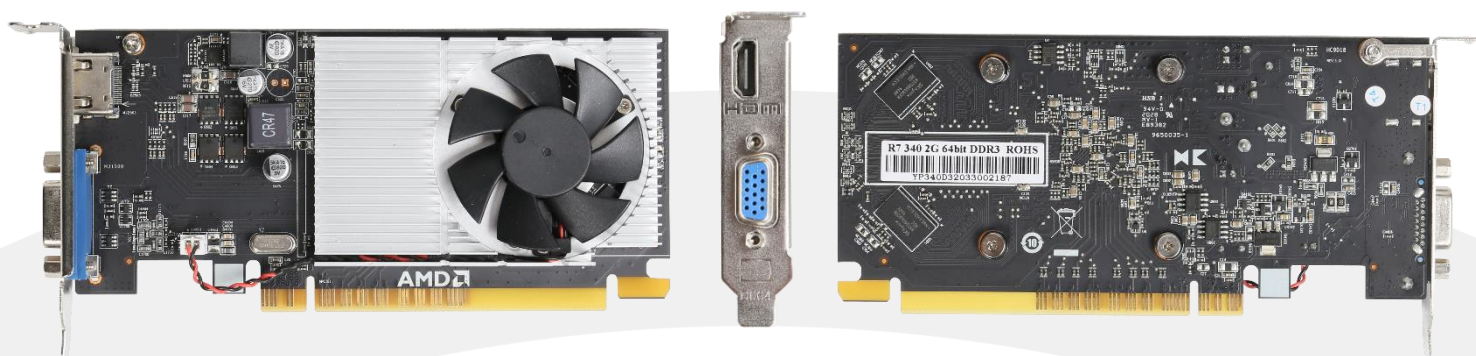
Specification:

Model	R7 340 2GD5 HV
Graphics Processing Unit	AMD Radeon R7 340
Shader Processing Units	384SP
Memory Size	2G 64bit GDDR5
Graphics Clock	905MHz
Memory Clock	1250MHz (5.0 Gbps)
Single Precision FLOPS	685.6GFLOPS
Double Precision FLOPS	42.9GFLOPS
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (145*69mm)
Display Features	VGA+HDMI1.4a
Single Resolution	VGA:2048*1536@60Hz HDMI:2560*1600@60Hz
Board Power	75W
Operation System	Windows 7/8.1/10 64bit、Linux 32/64bit、UOS
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark13 FS	1296
3Dmark11	X537
	P1885
	E3152
3Dmark Vantage	5209
3Dmark06	10423
Heaven	414
鲁大师	15955
Furmark	71°C

AMD SFF Series

AMD Radeon R7 340 2G DDR3 HDM+VGA PCIe 16x



Specification:

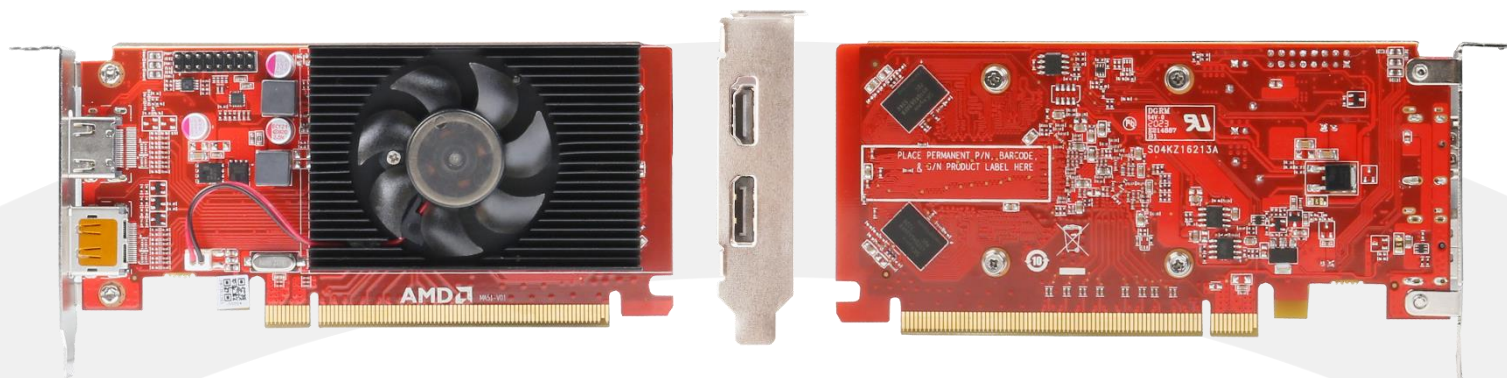
Model	R7 340 2GD3 HV
Graphics Processing Unit	AMD Radeon R7 340
Shader Processing Units	384SP
Memory Size	2G 64bit DDR3
Graphics Clock	780MHz
Memory Clock	800MHz
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (145*69*16mm)
Display Features	VGA+HDMI1.4a
Single Resolution	VGA:2048*1536@60Hz HDMI:2560*1600@60Hz
Board Power	28W
Operation System	Windows 7/8.1/10 64bit、Linux 32/64bit、UOS
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Eyefinity (Landscape)	Eyefinity (Portrait)
2x1(3840x1080@60Hz)	2x1(2160x1920@60Hz)
1x2(1920x2160@60Hz)	1x2(1080x3840@60Hz)

Benchmark	Score
3Dmark13	FS:787
	FSE:326
3Dmark11	X380
	P1885
	E2621
3Dmark Vantage	2336
Heaven	55
鲁大师	11902
Furmark	66°C

AMD SFF Series

AMD Radeon R7 340 2G DDR3 HDM+DP PCIe 16x



Specification:

Model	R7 340 2GD3 HP
Graphics Processing Unit	AMD Radeon R7 340
Shader Processing Units	384SP
Memory Size	2G 64bit DDR3
Graphics Clock	625MHz
Memory Clock	700MHz
Single Precision FLOPS	478.3GFLOPS
Double Precision FLOPS	29.76GFLOPS
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (144*69*16mm)
Display Features	HDMI1.4a+Display Port1.2(VGA Option)
Single Resolution	HDMI:2560*1600@60Hz DP:4096*2560@60Hz
Board Power	28W
Operation System	Windows 7/8.1/10 64bit、Linux 32/64bit、UOS
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark13 FS	708
3Dmark11	X357
	P1321
	E2267
3Dmark Vantage	2001
3Dmark06	4192
Heaven	128
鲁大师	10997
Furmark	54°C

AMD SFF Series

AMD Radeon R5 230 1G DDR3 VGA+DP+DVI PCIe 16x



Specification:

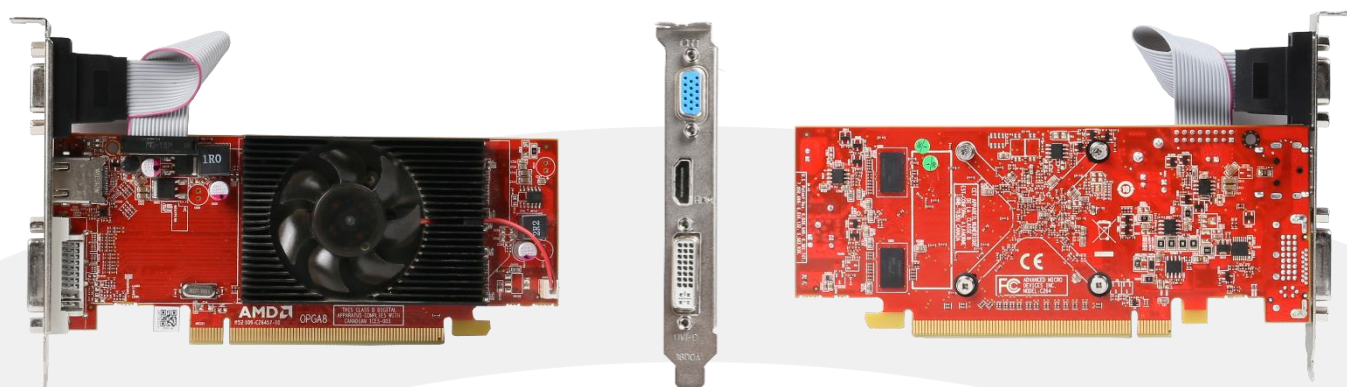
Model	R5 230 1GD3 VPD
Graphics Processing Unit	AMD Radeon R5 230
Shader Processing Units	160SP
Memory Size	1G 64bit DDR3
Graphics Clock	625MHz
Memory Clock	667MHz
Memory Bandwidth	10.7GB/S
Single Precision FLOPS	162.7GFLOPS
Interface	PCI-Express 2.1 16x
Board Dimensions	SFF/1 Slot (169*69*15mm)
Display Features	VGA+Display Port1.2+Dual-Link DVI
Single Resolution	VGA:2048*1536@60Hz Display Port:2560*1600@60Hz DVI: 2560*1600@60Hz
Board Power	20W
Operation System	Windows 7/8/8.1/10 32/64bit、Linux 32/64bit
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Eyefinity (Landscape)	Eyefinity (Portrait)
2x1(3840x1080@60Hz)	2x1(2160x1920@60Hz)
1x2(1920x2160@60Hz)	1x2(1080x3840@60Hz)
3x1(5760x1080@60Hz)	3x1(3240x1920@60Hz)
1x3(1920x3240@60Hz)	1x3(1080x5760@60Hz)

Benchmark	Score
3Dmark11	E1008
	P622
	X167
3Dmark Vantage	1337
Heaven	42
鲁大师	5193
Furmark	56°C

AMD SFF Series

AMD Radeon R5 230 1G DDR3 VGA+HDMI+DVI PCIe 16x



Specification:

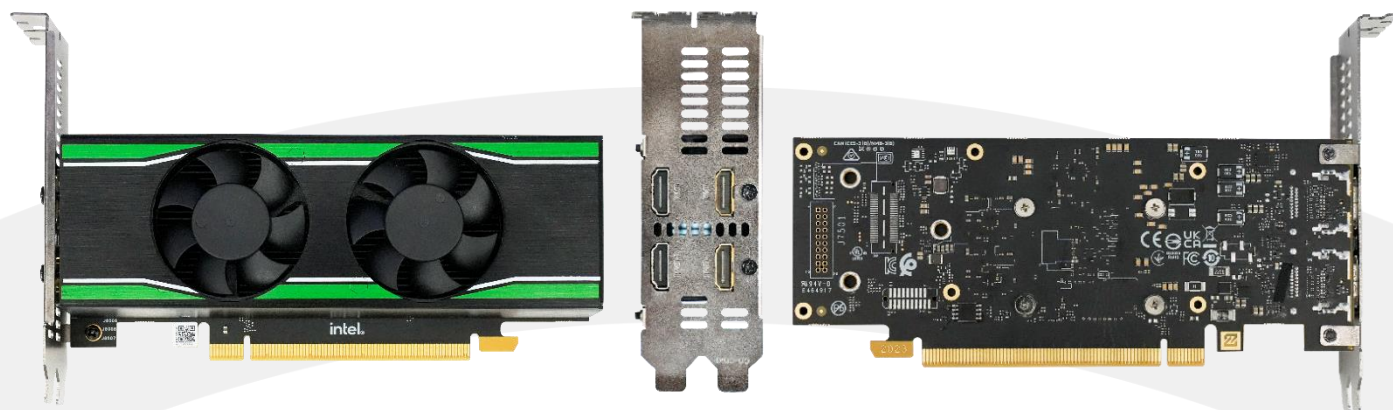
Model	R5 230 1GD3 VHD
Graphics Processing Unit	AMD Radeon R5 230
Shader Processing Units	160SP
Memory Size	1G 64bit DDR3
Graphics Clock	625MHz
Memory Clock	667MHz
Memory Bandwidth	10.7GB/S
Single Precision FLOPS	162.7GFLOPS
Interface	PCI-Express 2.1 16x
Board Dimensions	SFF/1 Slot (169*69*15mm)
Display Features	VGA+HDMI1.4+Dual-Link DVI
Single Resolution	VGA:2048*1536@60Hz HDMI:2560*1600@60Hz DVI: 2560*1600@60Hz
Board Power	20W
Operation System	Windows 7/8/8.1/10 32/64bit、 Linux 32/64bit
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Eyefinity (Landscape)		Eyefinity (Portrait)	
2x1(3840x1080@60Hz)		2x1(2160x1920@60Hz)	
1x2(1920x2160@60Hz)		1x2(1080x3840@60Hz)	

Benchmark	Score
3Dmark11	E1008
	P622
	X167
3Dmark Vantage	1337
Heaven	42
鲁大师	5193
Furmark	56°C

Intel SFF Series

Intel Arc A380 6G GDDR6 4HDMI SFF PCIe 16X



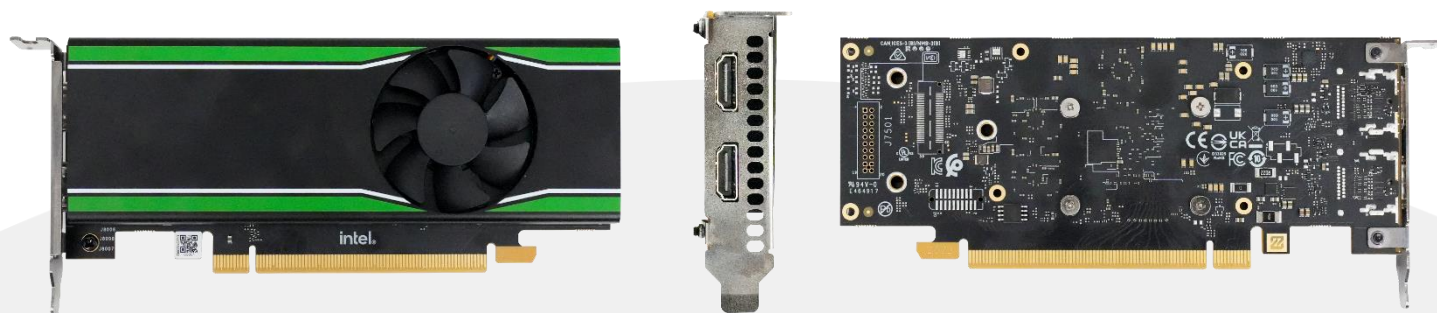
Specification:

Model	A380 6GD6 4H
Graphics Processing Unit	Intel Arc A380
Shader Processing Units	128SP
Memory Size	6G 96bit GDDR6
Chipset Clock	2150MHz
Memory Clock	2000MHz(8.0Gbps)
Memory Bandwidth	192.0GB/s
Single-Precision FLOPS	3966GFLOPS
Interface	PCI-Express 4.0 16x(by 8x)
Board Dimensions	SFF/2 Slot(165*70*37mm)
Display Features	4xHDMI2.0
Single Resolution	4096*2160@60Hz
Board Power	45W
Operation System	Windows 10/11、Linux 64bit
Accessories	Low Profile Bracket
DirectX	12
OpenGL	4.6
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark Vantage	45316
3Dmark 11	E20360
	P14164
	X4603
3Dmark 13	FS:10456
	FSE:4773
	FSU:2198
鲁大师	137712
Heaven	1411

Intel SFF Series

Intel Arc A380 6G GDDR6 2HDMI SFF PCIe 16X



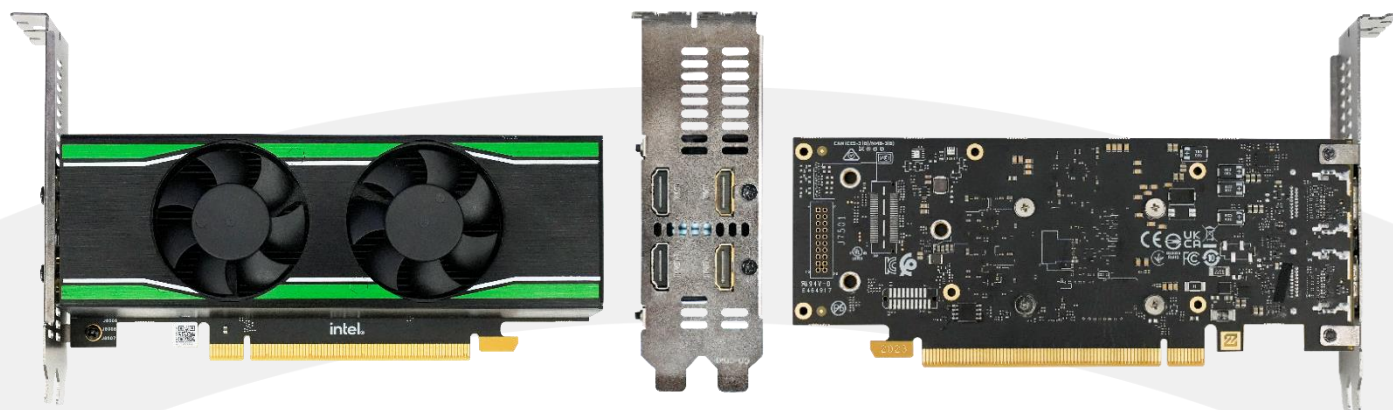
Specification:

Model	A380 6GD6 2H
Graphics Processing Unit	Intel Arc A380
Shader Processing Units	128SP
Memory Size	6G 96bit GDDR6
Chipset Clock	2150MHz
Memory Clock	2000MHz(8.0Gbps)
Memory Bandwidth	192.0GB/s
Single-Precision FLOPS	3966GFLOPS
Interface	PCI-Express 4.0 16x(by 8x)
Board Dimensions	SFF/2 Slot(165*70*22mm)
Display Features	2xHDMI2.0
Single Resolution	4096*2160@60Hz
Board Power	45W
Operation System	Windows 10/11、Linux 64bit
Accessories	Low Profile Bracket
DirectX	12
OpenGL	4.6
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark Vantage	45316
3Dmark 11	E20360
	P14164
	X4603
3Dmark 13	FS:10456
	FSE:4773
	FSU:2198
鲁大师	137712
Heaven	1411

Intel SFF Series

Intel Arc A310 4G GDDR6 4HDMI SFF PCIe 16X



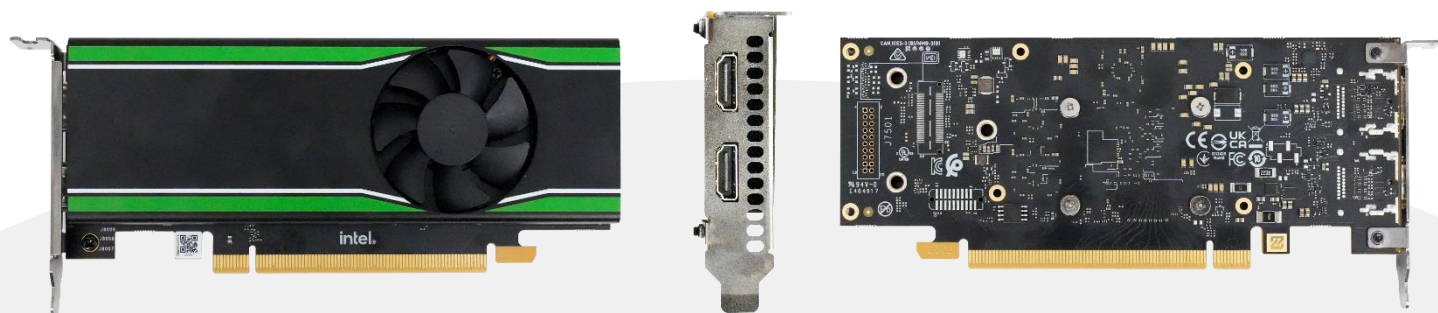
Specification:

Model	A310 4GD6 4H
Graphics Processing Unit	Intel Arc A310
Shader Processing Units	96SP
Memory Size	4G 96bit GDDR6
Chipset Clock	2350MHz
Memory Clock	2000MHz(8.0Gbps)
Memory Bandwidth	128.0GB/s
Single-Precision FLOPS	2468GFLOPS
Interface	PCI-Express 4.0 16x(by 8x)
Board Dimensions	SFF/2 Slot(165*70*37mm)
Display Features	4xHDMI2.0
Single Resolution	4096*2160@60Hz
Board Power	35W
Operation System	Windows 10/11、Linux 64bit
Accessories	Low Profile Bracket
DirectX	12
OpenGL	4.6
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark Vantage	37365
3Dmark 11	E16482
	P11669
	X3655
3Dmark 13	FS:8522
	FSE:3865
	FSU:1797
鲁大师	111505
Heaven	1880

Intel SFF Series

Intel Arc A310 4G GDDR6 2HDMI SFF PCIe 16X



Specification:

Model	A310 4GD6 2H
Graphics Processing Unit	Intel Arc A310
Shader Processing Units	96SP
Memory Size	4G 96bit GDDR6
Chipset Clock	2350MHz
Memory Clock	2000MHz(8.0Gbps)
Memory Bandwidth	128.0GB/s
Single-Precision FLOPS	2468GFLOPS
Interface	PCI-Express 4.0 16x(by 8x)
Board Dimensions	SFF/2 Slot(165*70*22mm)
Display Features	2xHDMI2.0
Single Resolution	4096*2160@60Hz
Board Power	35W
Operation System	Windows 10/11、Linux 64bit
Accessories	Low Profile Bracket
DirectX	12
OpenGL	4.6
Operating Temperature	0~45°C
Storage Temperature	-20~75°C
Operating Humidity	0~95% (non-condensing)
Storage Humidity	10~90%

Benchmark	Score
3Dmark Vantage	37365
3Dmark 11	E16482
	P11669
	X3655
3Dmark 13	FS:8522
	FSE:3865
	FSU:1797
鲁大师	111505
Heaven	1880

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