

# SFF 显卡 产品型录

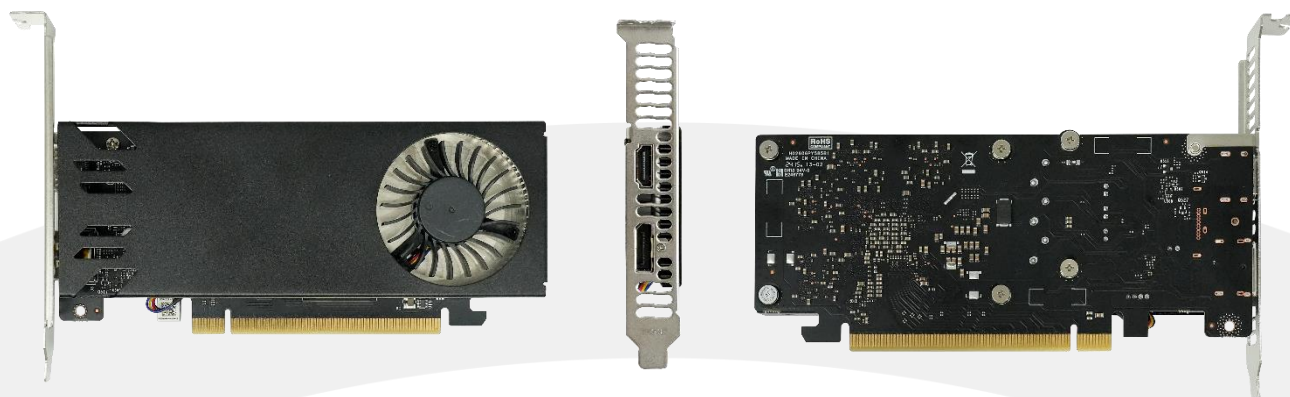
## PRODUCT CATALOG 产品型录

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# NVIDIA SFF Series

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



Model	RTX3050 6GD6 HP SFF
<b>Graphics Processing Unit</b>	NVIDIA GeForce RTX3050
<b>NVIDIA CUDA Core</b>	2304SP
<b>Memory Size</b>	6G 96bit GDDR6
<b>Graphics Clock</b>	1042MHz (Boost 1470MHz)
<b>Memory Clock</b>	1752MHz (7.0 Gbps)
<b>Memory Bandwidth</b>	168.0GB/s
<b>Single Precision FLOPS(AIDA64)</b>	8685GFLOPS
<b>Interface</b>	PCI-Express 4.0 16x
<b>Board Dimensions</b>	SFF/1 Slot (165*70*20mm)
<b>Display Features</b>	HDMI2.1+Display Port1.4
<b>Single Resolution</b>	HDMI: 7680x4320@60Hz Display Port: 7680x4320@60Hz
<b>Board Power</b>	70W
<b>Operation System</b>	Windows 7/10/11 64bit、Linux 64bit

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

Benchmark	Score
<b>3Dmark 13</b>	FS:12508
	FSE:5784
	FSU:2539
<b>3Dmark 11</b>	E13390
	P11617
	X5498
<b>3Dmark Vantage</b>	43124
<b>Heaven</b>	3162
<b>glmark2</b>	12109
<b>鲁大师</b>	199625
<b>Furmark</b>	71°C

# NVIDIA SFF Series

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



Model	GTX1650 4GD5 VHP
<b>Graphics Processing Unit</b>	NVIDIA GeForce GTX1650
<b>NVIDIA CUDA Core</b>	896SP
<b>Memory Size</b>	4G 128bit GDDR5
<b>Graphics Clock</b>	1485MHz (Boost 1665MHz)
<b>Memory Clock</b>	2001MHz (8.0 Gbps)
<b>Memory Bandwidth</b>	128.1GB/s
<b>Single Precision FLOPS(AIDA64)</b>	2962GFLOPS
<b>Interface</b>	PCI-Express 3.0 16x
<b>Board Dimensions</b>	SFF/1 Slot (165*70*24mm)
<b>Display Features</b>	VGA+HDMI2.0+Display Port1.4
<b>Single Resolution</b>	VGA:2048*1536@60Hz HDMI:4096*2160@60Hz Display Port: 7680x4320@120Hz
<b>Board Power</b>	75W
<b>Operation System</b>	Windows 7/10 64bit、Linux 64bit
<b>Accessories</b>	Low Profile Bracket (HDMI+DP & VGA)
<b>Operating Temperature</b>	0~45°C
<b>Storage Temperature</b>	-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
<b>3Dmark13</b>	FS:8754	<b>Cuda</b>	
<b>3Dmark11</b>	X4047 P11340	<b>single kernels</b>	53.2896 / 53.7789
<b>3Dmark Vantage</b>	26888	<b>N=10 w/o streams</b>	2515.02 / 91.323
<b>Heaven</b>	3128	<b>N=10 with streams</b>	2548.33 / 92.0627
<b>鲁大师</b>	104294	<b>N=10 batched</b>	2651.46 / 92.0361
<b>Furmark</b>	71°C		

# NVIDIA SFF Series

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



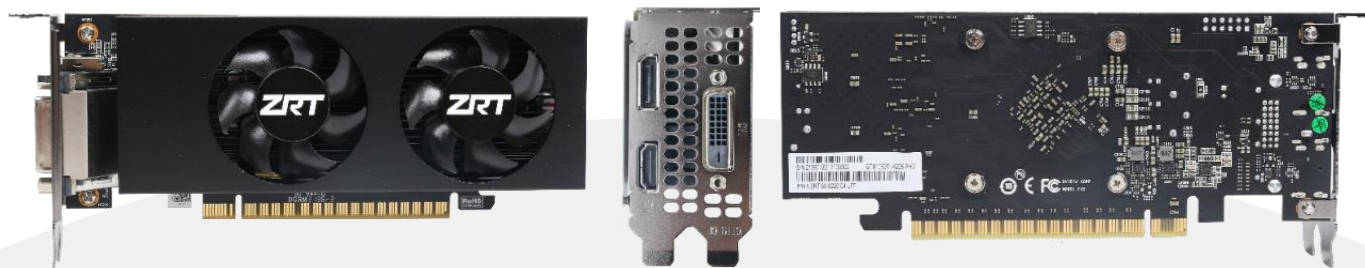
Model	GTX1650 4GD5 HP
Graphics Processing Unit	NVIDIA GeForce GTX1650
NVIDIA CUDA Core	896SP
Memory Size	4G 128bit GDDR5
Graphics Clock	1485MHz (Boost 1665MHz)
Memory Clock	2001MHz (8.0 Gbps)
Memory Bandwidth	128.1GB/s
Single Precision FLOPS(AIDA64)	3017GFLOPS
Double Precision FLOPS(AIDA64)	94.27GFLOPS
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)
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) 2x1(1920x2160@60Hz)	1x2(2160x1920@60Hz) 2x1(1080x3840@60Hz)

Benchmark	Score	Benchmark	Score
3Dmark13	FS:8754	<b>Cuda</b>	
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



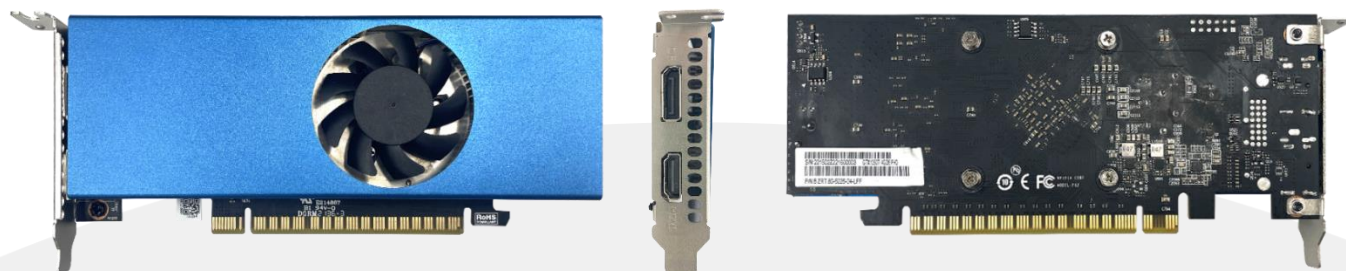
Model	GTX1050Ti 4GD5 PHD SFF
<b>Graphics Processing Unit</b>	NVIDIA GeForce GTX1050Ti
<b>NVIDIA CUDA Core</b>	768SP
<b>Memory Size</b>	4G 128bit GDDR5
<b>Graphics Clock</b>	1354MHz (Boost 1468MHz)
<b>Memory Clock</b>	1752MHz (7.0 Gbps)
<b>Memory Bandwidth</b>	112.1GB/s
<b>Interface</b>	PCI-Express 3.0 16x
<b>Board Dimensions</b>	SFF/2 Slot (167*69*33mm)
<b>Display Features</b>	DVI-D+HDMI2.0+Display Port1.4
<b>Single Resolution</b>	DVI:1920*1080@60Hz HDMI:4096*2160@60Hz DP:7680*4320@120Hz
<b>Board Power</b>	75W
<b>Operation System</b>	Windows 7/8/8.1/10 32/64bit、Windows 11、Linux 32/64bit
<b>Accessories</b>	Low Profile Bracket
<b>Operating Temperature</b>	0~45°C
<b>Storage Temperature</b>	-20~75°C
<b>Operating Humidity</b>	0~95% (non-condensing)
<b>Storage Humidity</b>	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
<b>3Dmark13</b>	FS:5402
	X2392
<b>3Dmark11</b>	P6522
	E9372
<b>3Dmark Vantage</b>	24671
<b>鲁大师</b>	63226
<b>Furmark</b>	48°C

# NVIDIA SFF Series

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



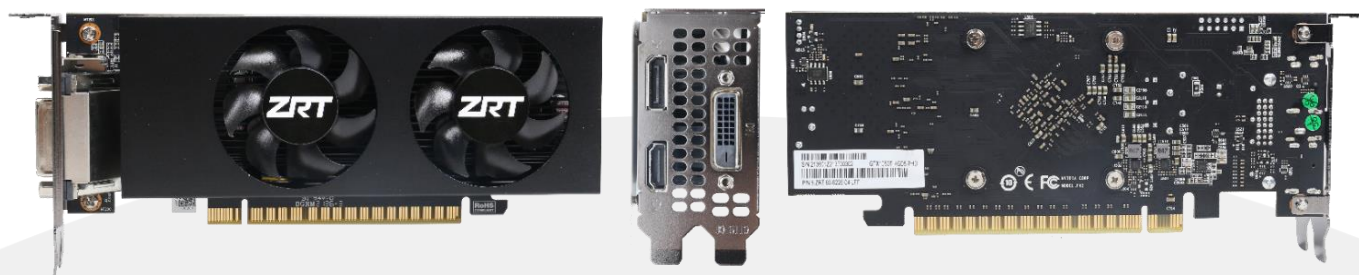
Model	GTX1050Ti 4GD5 PH SFF
<b>Graphics Processing Unit</b>	NVIDIA GeForce GTX1050Ti
<b>NVIDIA CUDA Core</b>	768SP
<b>Memory Size</b>	4G 128bit GDDR5
<b>Graphics Clock</b>	1354MHz (Boost 1468MHz)
<b>Memory Clock</b>	1752MHz (7.0 Gbps)
<b>Memory Bandwidth</b>	112.1GB/s
<b>Interface</b>	PCI-Express 3.0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

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

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

# NVIDIA SFF Series

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



Model	GTX1050 2GD5 PHD
<b>Graphics Processing Unit</b>	NVIDIA GeForce GTX1050
<b>NVIDIA CUDA Core</b>	640SP
<b>Memory Size</b>	2G 128bit GDDR5
<b>Graphics Clock</b>	1354MHz (Boost 1455MHz)
<b>Memory Clock</b>	1752MHz (7.0 Gbps)
<b>Memory Bandwidth</b>	112.1GB/s
<b>Interface</b>	PCI-Express 3.0 16x
<b>Board Dimensions</b>	SFF/2 Slot (167*69*33mm)
<b>Display Features</b>	DVI-D+HDMI2.0+Display Port1.4
<b>Single Resolution</b>	DVI:1920*1080@60Hz HDMI:4096*2160@60Hz DP:7680*4320@120Hz
<b>Board Power</b>	75W
<b>Operation System</b>	Windows 7/8/8.1/10 32/64bit、Linux 32/64bit
<b>Accessories</b>	Low Profile Bracket、Manual、Driver CD
<b>Operating Temperature</b>	0~45°C
<b>Storage Temperature</b>	-20~75°C
<b>Operating Humidity</b>	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
<b>3Dmark13</b>	FS:6766
<b>3Dmark11</b>	P8537 X3002
<b>3Dmark Vantage</b>	21882
<b>Heaven</b>	2646
<b>鲁大师</b>	78411
<b>Furmark</b>	64°C



# NVIDIA SFF Series

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



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

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

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

# NVIDIA SFF Series

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



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

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

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

# NVIDIA SFF Series

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



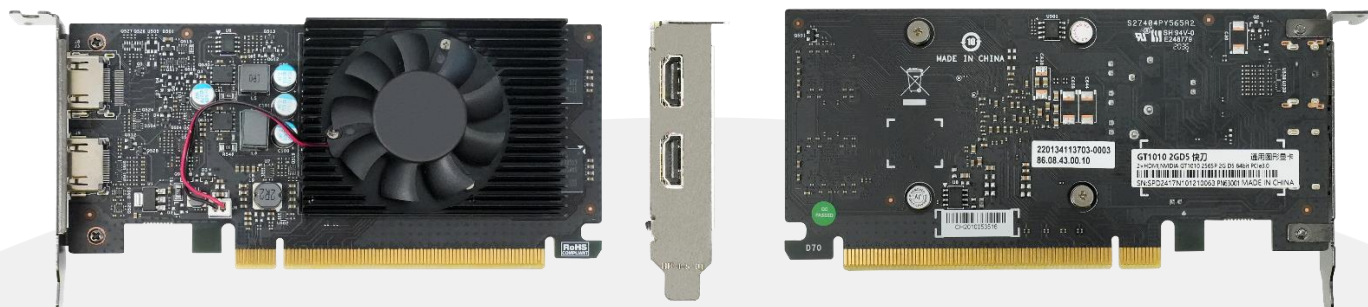
Model	GT1030 2GD5 PD
<b>Graphics Processing Unit</b>	NVIDIA GeForce GT1030
<b>NVIDIA CUDA Core</b>	384SP
<b>Memory Size</b>	2G 64bit GDDR5
<b>Graphics Clock</b>	1228MHz / 1468MHz (Boost)
<b>Memory Clock</b>	1502MHz (6.0 Gbps)
<b>Memory Bandwidth</b>	48.1GB/s
<b>Interface</b>	PCI-Express 3.0 16x
<b>Board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

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

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

# NVIDIA SFF Series

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



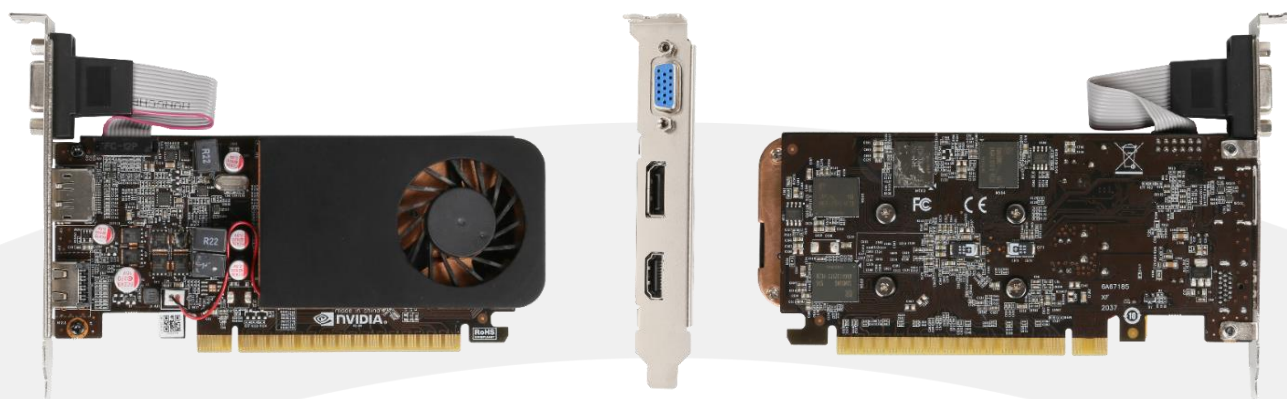
Model	GT1010 2GD5 2H SFF
<b>Graphics Processing Unit</b>	NVIDIA GeForce GT1010
<b>NVIDIA CUDA Core</b>	256SP
<b>Memory Size</b>	2G 64bit GDDR5
<b>Graphics Clock</b>	1228MHz / 1468MHz (Boost)
<b>Memory Clock</b>	1502MHz (6.0 Gbps)
<b>Memory Bandwidth</b>	48.1GB/s
<b>Single Precision FLOPS(AIDA64)</b>	886.7GFLOPS
<b>Interface</b>	PCI-Express 3.0 16x
<b>Board Dimensions</b>	SFF/1 Slot (145*69*16mm)
<b>Display Features</b>	2xHDMI2.0
<b>Max Single Resolution</b>	4096*2160@60Hz
<b>Board Power</b>	27.5W
<b>Operation System</b>	Windows 7/8/8.1/10/11 64bit、Linux 64bit
<b>Operating Temperature</b>	0~ 45°C
<b>Storage Temperature</b>	-20~75°C
<b>Operating Humidity</b>	0~95% (non-condensing)

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

Benchmark	Score
<b>3Dmark13</b>	FS:3905
	FSE:1343
	FSU:304
<b>3Dmark11</b>	P4120
	X1290
	E6715
<b>3Dmark Vantage</b>	13818
<b>Heaven</b>	304
<b>鲁大师</b>	32962
<b>glmark2</b>	5367
<b>Furmark</b>	55°C

# NVIDIA SFF Series

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



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

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

# AMD SFF Series

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

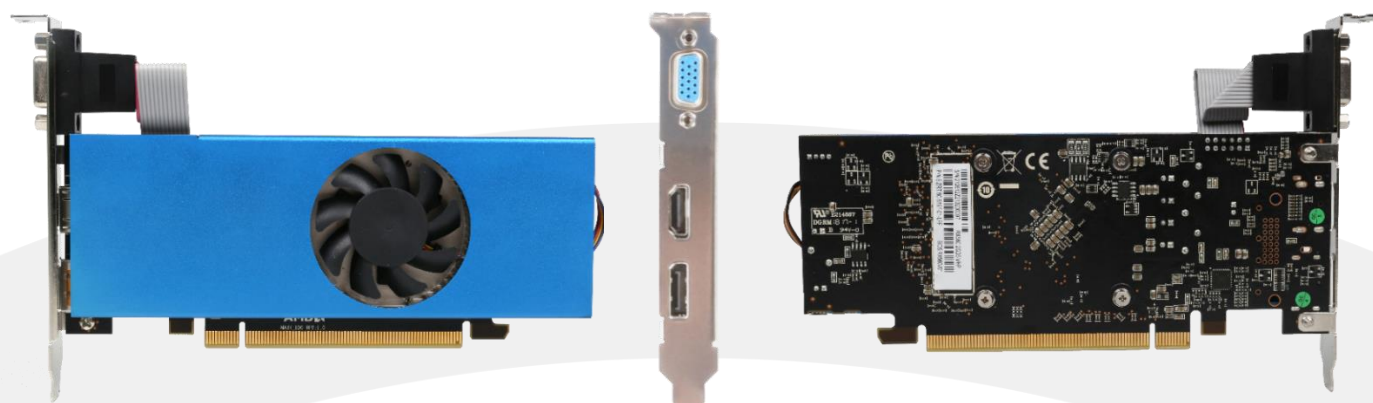


Model	RX6400 4GD6 PH
<b>Graphics Processing Unit</b>	AMD Radeon RX6400
<b>Shader Processing Units</b>	768SP
<b>Memory Size</b>	4G 64bit GDDR6
<b>Graphics Clock</b>	2039MHz
<b>Memory Clock</b>	1750MHz (14.0 Gbps)
<b>Memory Bandwidth</b>	112.0GB/s
<b>Interface</b>	PCI-Express 4.0 16x
<b>Board Dimensions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

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

# AMD SFF Series

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

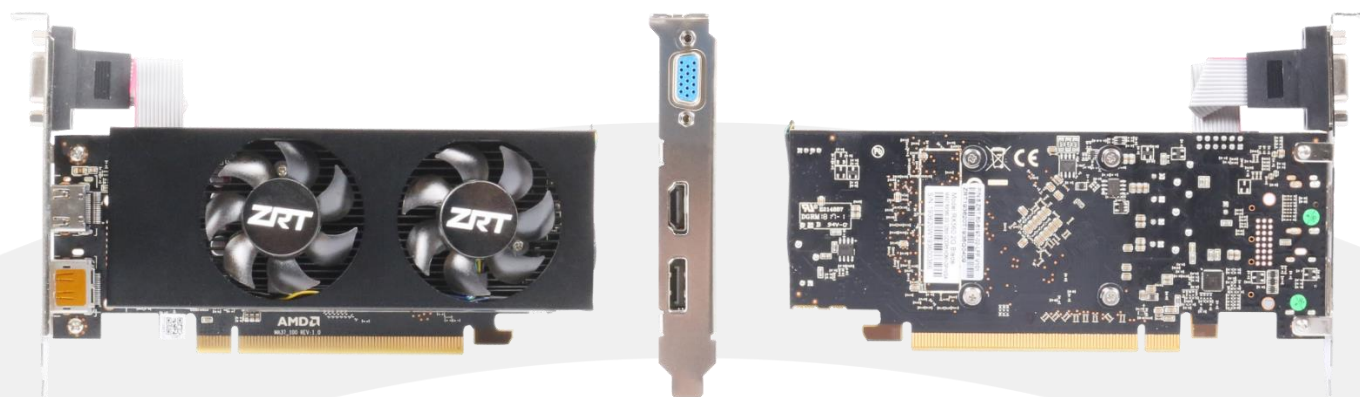


Model	RX560 4G VHP
<b>Graphics Processing Unit</b>	AMD Radeon RX560
<b>Shader Processing Units</b>	896SP
<b>Memory Size</b>	4G 128bit GDDR5
<b>Graphics Clock</b>	1275MHz
<b>Memory Clock</b>	1750MHz (7.0 Gbps)
<b>Memory Bandwidth</b>	112.1GB/s
<b>Interface</b>	PCI-Express 3.0 16x
<b>Board Dimensions</b>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

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

# AMD SFF Series

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



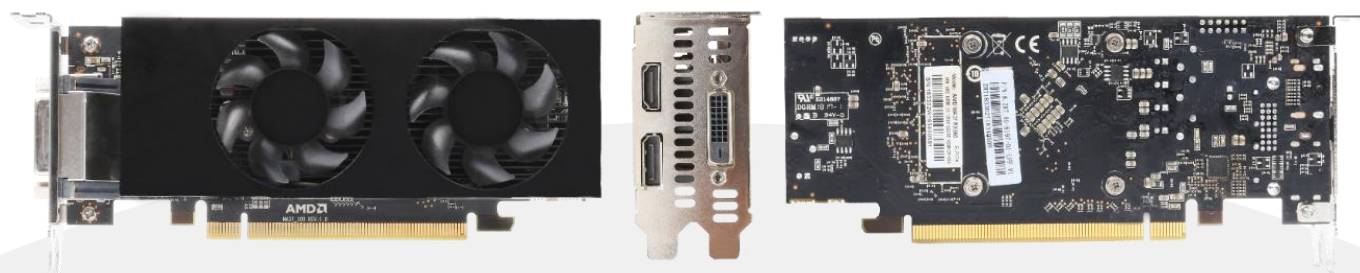
Model	RX560 2G VHP
<b>Graphics Processing Unit</b>	AMD Radeon RX560
<b>Shader Processing Units</b>	896SP
<b>Memory Size</b>	2G 128bit GDDR5
<b>Graphics Clock</b>	1275MHz
<b>Memory Clock</b>	1750MHz (7.0 Gbps)
<b>Memory Bandwidth</b>	112.0GB/s
<b>Double Precision FLOPS</b>	42.9GFLOPS
<b>Interface</b>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

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



# AMD SFF Series

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



Model	RX550 4G HPD
<b>Graphics Processing Unit</b>	AMD Radeon RX550
<b>Shader Processing Units</b>	768SP
<b>Memory Size</b>	4G 128bit GDDR5
<b>Graphics Clock</b>	1275MHz
<b>Memory Clock</b>	1750MHz (7.0Gbps)
<b>Memory Bandwidth</b>	112.0GB/s
<b>Interface</b>	PCI-Express 3.0 16x
<b>Board Dimensions</b>	SFF/2 Slot (168*69*33mm)
<b>Display Features</b>	DVI-D+HDMI2.0+Display Port1.3
<b>Single Resolution</b>	DVI:1920*1080@60Hz HDMI:4096*2160@60Hz DP:7680*4320@60Hz
<b>Board Power</b>	50W
<b>Operation System</b>	Windows 7/10 64bit、Linux 64bit
<b>Accessories</b>	Manual、Driver CD
<b>Operating Temperature</b>	0~45°C
<b>Storage Temperature</b>	-20~75°C
<b>Operating Humidity</b>	0~95% (non-condensing)
<b>Storage Humidity</b>	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
<b>3Dmark13 FS</b>	4965
<b>3Dmark11</b>	E7987
	P6294
	X1698
<b>3Dmark Vantage</b>	19820
<b>Heaven</b>	562
<b>鲁大师</b>	64156
<b>Furmark</b>	73°C

# AMD SFF Series

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

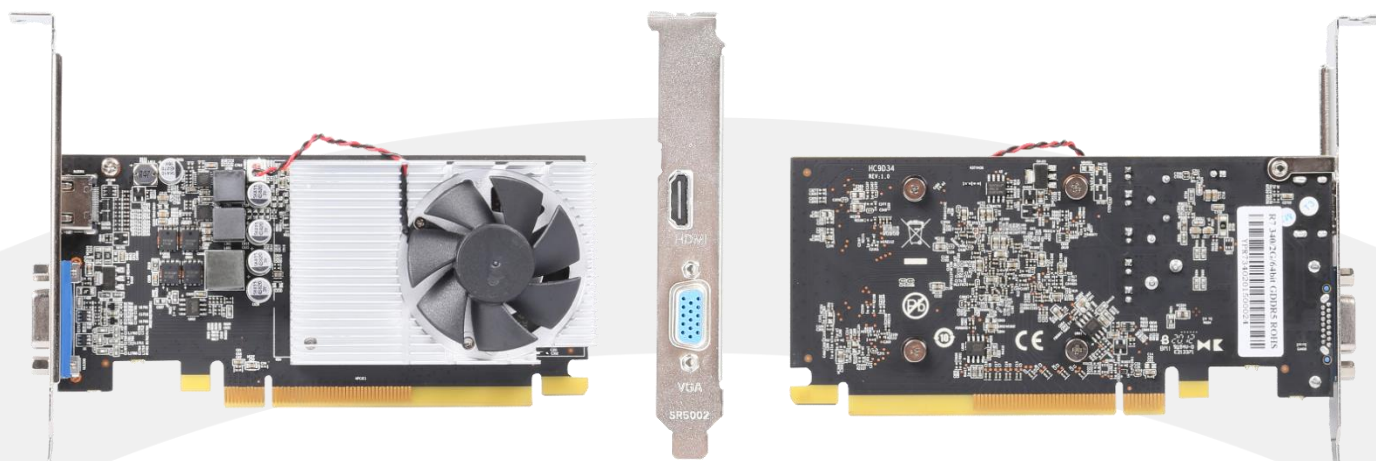


Model	RX550 2G HPD
<b>Graphics Processing Unit</b>	AMD Radeon RX550
<b>Shader Processing Units</b>	768SP
<b>Memory Size</b>	2G 128bit GDDR5
<b>Graphics Clock</b>	1275MHz
<b>Memory Clock</b>	1750MHz (7.0Gbps)
<b>Memory Bandwidth</b>	112.0GB/s
<b>Interface</b>	PCI-Express 3.0 16x
<b>Board Dimensions</b>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

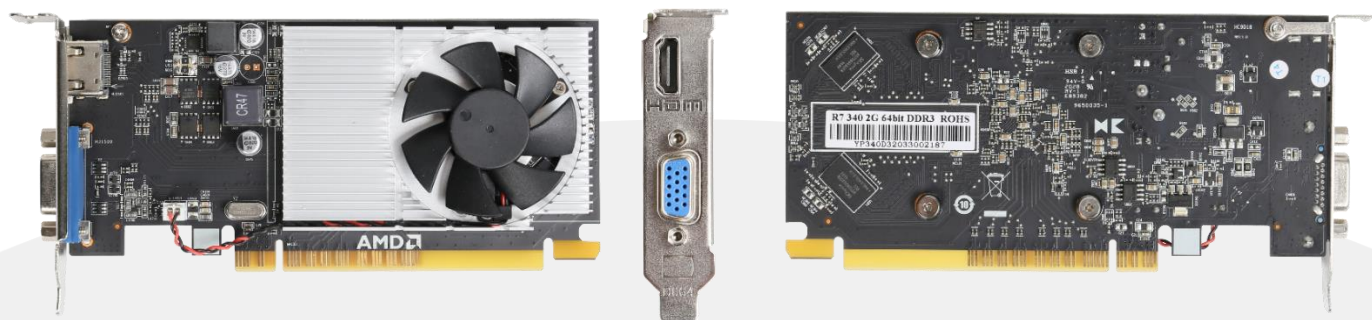


Model	R7 340 2GD5 HV
<b>Graphics Processing Unit</b>	AMD Radeon R7 340
<b>Shader Processing Units</b>	384SP
<b>Memory Size</b>	2G 64bit GDDR5
<b>Graphics Clock</b>	905MHz
<b>Memory Clock</b>	1250MHz (5.0 Gbps)
<b>Single Precision FLOPS</b>	685.6GFLOPS
<b>Double Precision FLOPS</b>	42.9GFLOPS
<b>Interface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

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

# AMD SFF Series

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



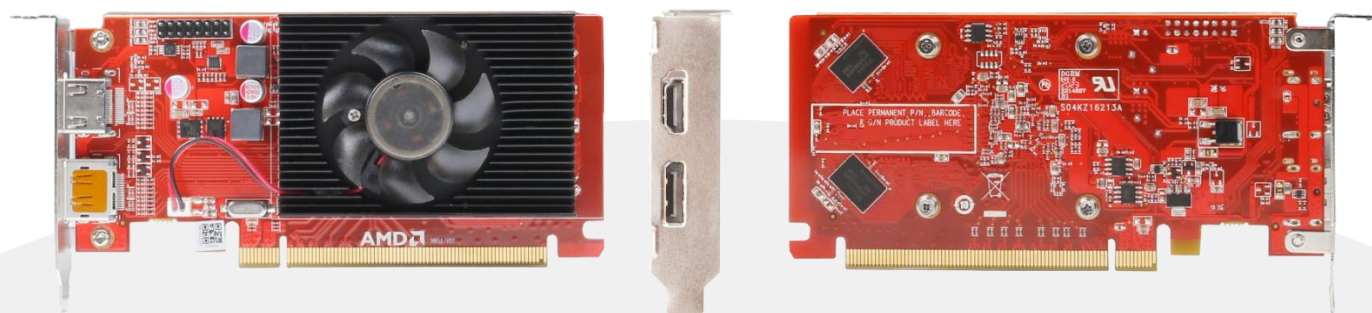
Model	R7 340 2GD3 HV
Graphics Processing Unit	AMD Radeon R7 340
Shader Processing Units	384SP
Memory Size	2G 64bit DDR3
Graphics Clock	780MHz
Memory Clock	800MHz
Interface	PCI-Express 3.0 16x
Board Dimensions	SFF/1 Slot (145*69*16mm)
Display Features	VGA+HDMI1.4a
Single Resolution	VGA:2048*1536@60Hz 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

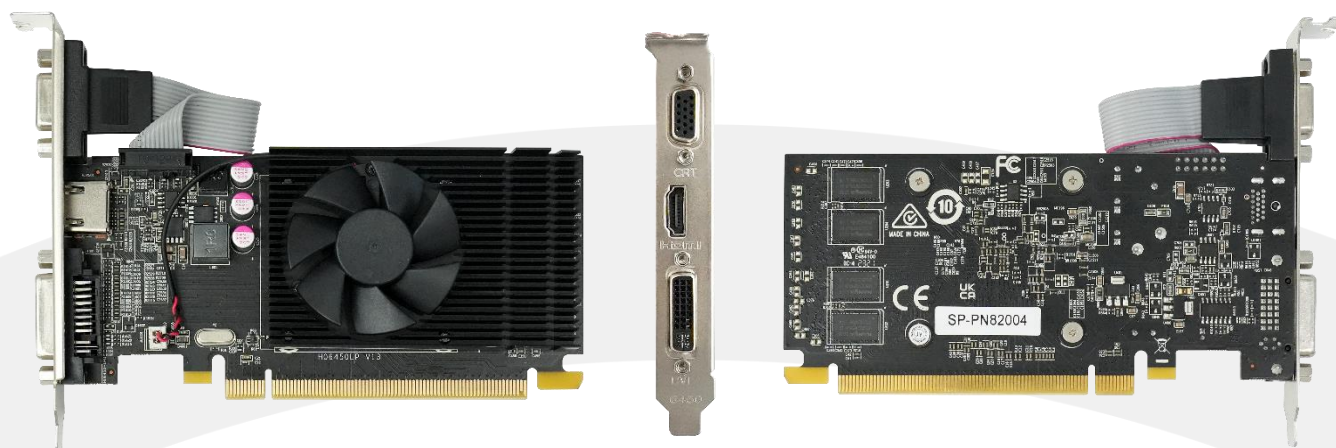


Model	R7 340 2GD3 HP
<b>Graphics Processing Unit</b>	AMD Radeon R7 340
<b>Shader Processing Units</b>	384SP
<b>Memory Size</b>	2G 64bit DDR3
<b>Graphics Clock</b>	625MHz
<b>Memory Clock</b>	700MHz
<b>Single Precision FLOPS</b>	478.3GFLOPS
<b>Double Precision FLOPS</b>	29.76GFLOPS
<b>Interface</b>	PCI-Express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

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

# AMD SFF Series

AMD Radeon R5 230 2G DDR3 VGA+HDMI+DVI PCIe 16x



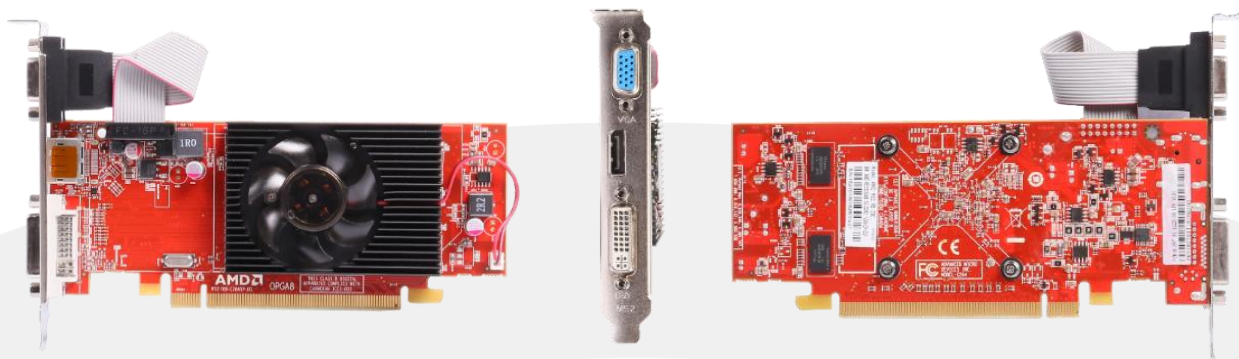
Model	R5 230 2GD3 VHD
Graphics Processing Unit	AMD Radeon R5 230
Shader Processing Units	160SP
Memory Size	2G 64bit DDR3
Graphics Clock	625MHz
Memory Clock	533MHz
Memory Bandwidth	8.5GB/S
Single Precision FLOPS	162.7GFLOPS
Interface	PCI-Express 2.0 16x
Board Dimensions	SFF/1 Slot (145*69*15.6mm)
Display Features	VGA+HDMI+DVI
Single Resolution	VGA:2048*1536@60Hz HDMI:1920*1080@60Hz DVI: 1920*1080@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	E953
	P574
	X156
3Dmark Vantage	1035
Heaven	59
鲁大师	4697
Furmark	46°C

# AMD SFF Series

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



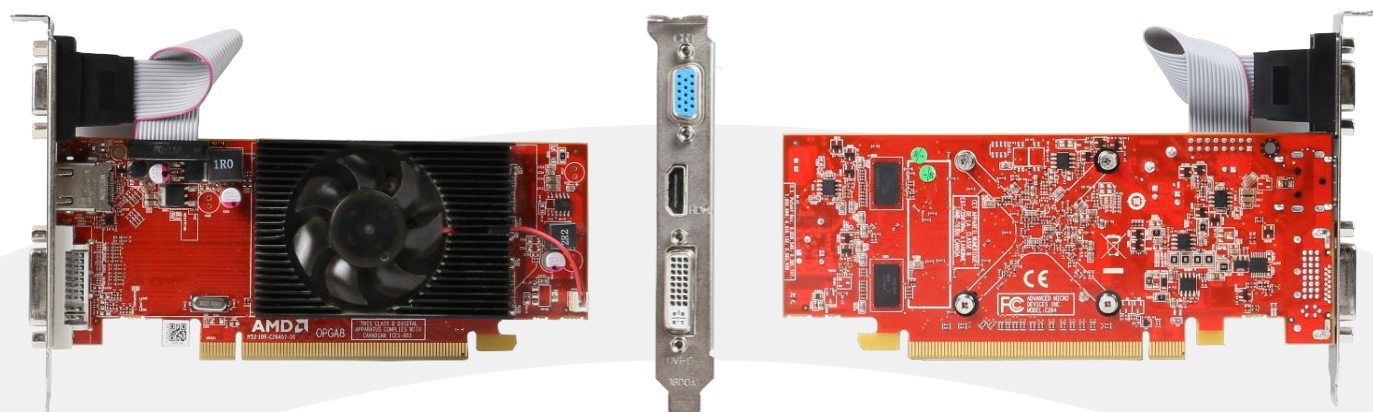
Model	R5 230 1GD3 VPD
<b>Graphics Processing Unit</b>	AMD Radeon R5 230
<b>Shader Processing Units</b>	160SP
<b>Memory Size</b>	1G 64bit DDR3
<b>Graphics Clock</b>	625MHz
<b>Memory Clock</b>	667MHz
<b>Memory Bandwidth</b>	10.7GB/S
<b>Single Precision FLOPS</b>	162.7GFLOPS
<b>Interface</b>	PCI-Express 2.1 16x
<b>Board Dimensions</b>	SFF/1 Slot (169*69*15mm)
<b>Display Features</b>	VGA+Display Port1.2+Dual-Link DVI
<b>Single Resolution</b>	VGA:2048*1536@60Hz Display Port:2560*1600@60Hz DVI: 2560*1600@60Hz
<b>Board Power</b>	20W
<b>Operation System</b>	Windows 7/8/8.1/10 32/64bit、Linux 32/64bit
<b>Operating Temperature</b>	0~45°C
<b>Storage Temperature</b>	-20~75°C
<b>Operating Humidity</b>	0~95% (non-condensing)
<b>Storage Humidity</b>	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
<b>3Dmark11</b>	E1008
	P622
	X167
<b>3Dmark Vantage</b>	1337
<b>Heaven</b>	42
<b>鲁大师</b>	5193
<b>Furmark</b>	56°C

# AMD SFF Series

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



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

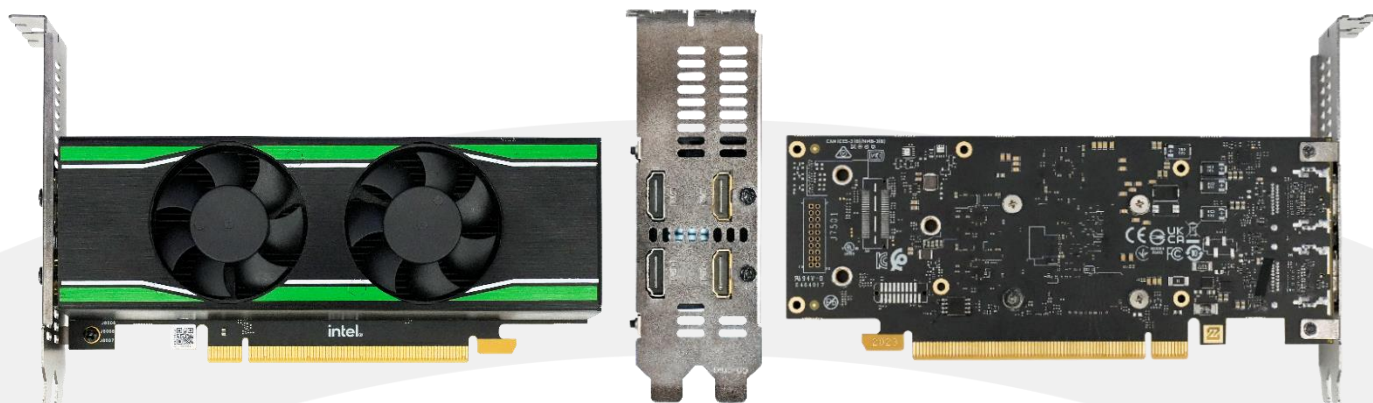
Eyefinity (Landscape)	Eyefinity (Portrait)
2x1(3840x1080@60Hz)	2x1(2160x1920@60Hz)
1x2(1920x2160@60Hz)	1x2(1080x3840@60Hz)

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



# Intel SFF Series

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

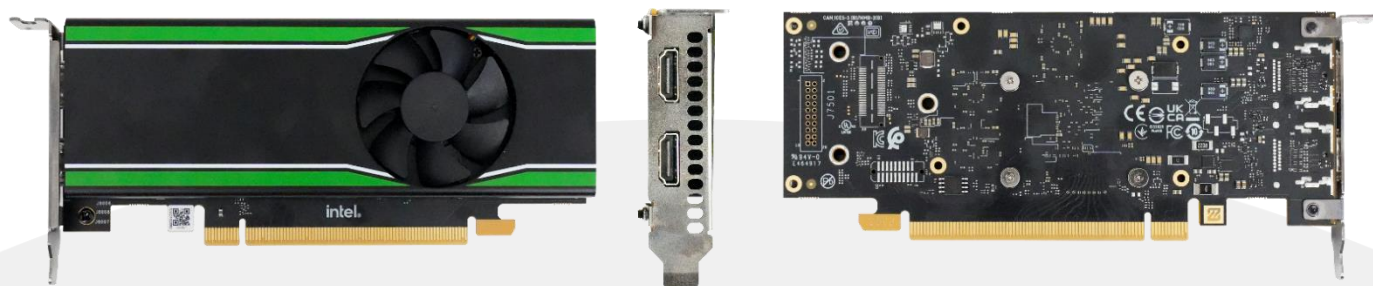


Model	A380 6GD6 4H
<b>Graphics Processing Unit</b>	Intel Arc A380
<b>Shader Processing Units</b>	128SP
<b>Memory Size</b>	6G 96bit GDDR6
<b>Chipset Clock</b>	2150MHz
<b>Memory Clock</b>	2000MHz(8.0Gbps)
<b>Memory Bandwidth</b>	192.0GB/s
<b>Single-Precision FLOPS</b>	3966GFLOPS
<b>Interface</b>	PCI-Express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

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

# Intel SFF Series

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

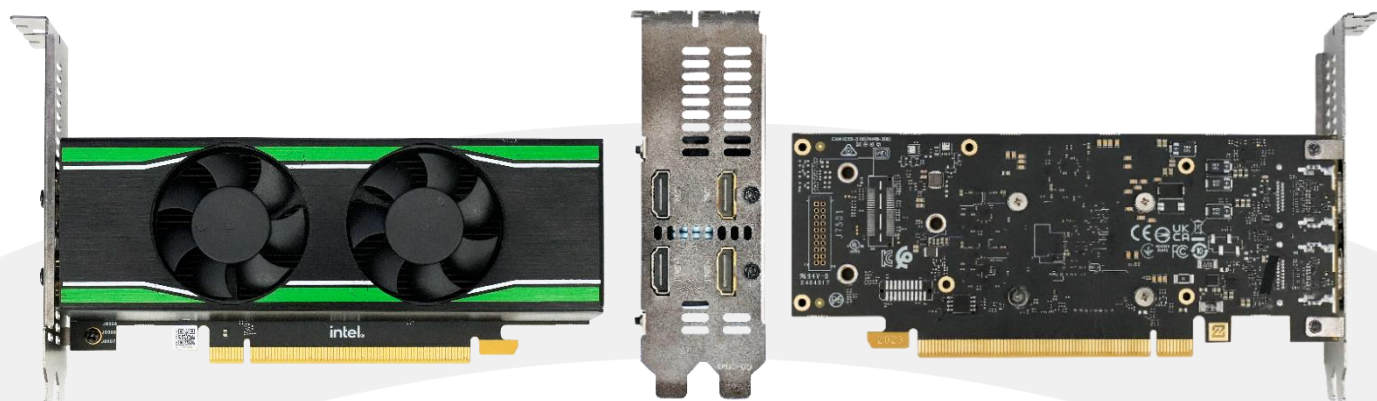


Model	A380 6GD6 2H
Graphics Processing Unit	Intel Arc A380
Shader Processing Units	128SP
Memory Size	6G 96bit GDDR6
Chipset Clock	2150MHz
Memory Clock	2000MHz(8.0Gbps)
Memory Bandwidth	192.0GB/s
Single-Precision FLOPS	3966GFLOPS
Interface	PCI-Express 4.0 16x(by 8x)
Board Dimensions	SFF/2 Slot(165*70*22mm)
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

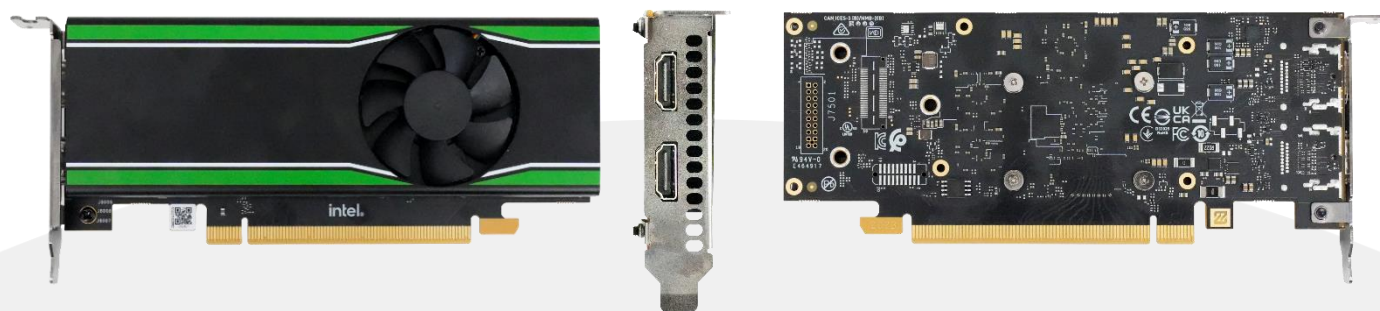


Model	A310 4GD6 4H
<b>Graphics Processing Unit</b>	Intel Arc A310
<b>Shader Processing Units</b>	96SP
<b>Memory Size</b>	4G 96bit GDDR6
<b>Chipset Clock</b>	2350MHz
<b>Memory Clock</b>	2000MHz(8.0Gbps)
<b>Memory Bandwidth</b>	128.0GB/s
<b>Single-Precision FLOPS</b>	2468GFLOPS
<b>Interface</b>	PCI-Express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

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

# Intel SFF Series

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



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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Shenzhen Zrt Co., Ltd.



智锐通公众号

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智锐通抖音号

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- 北京分公司：北京市昌平区科兴西路106号院2号楼5层
- 南京分公司：南京市江宁区万科都荟天地B2栋7楼
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