



# PCI-Express Products

## XFx NVIDIA



Model Number	Chipset	Version	Engine		Memory				Cooling	HDMI	Outputs	Profile	Features	SLI
			Clk(MHz)	Bus Type	Type	Size	Speed**	Shader Clk						
GX-295N-HHF(*)	GF GTX 295	Standard	576	PCI-E 2.0	DDR3	1792MB	2GHz	1242MHz	Fansink	YES	◆,▲	Double	C, D10, P	Quad
GX-295N-HWF(*)	GF GTX 295	Standard	576	PCI-E 2.0	DDR3	1792MB	2.016GHz	1242MHz	Fansink	△	◆	Double	C, D10, P	Quad
GX-285X-ZWB(*)	GF GTX 285	Black	690	PCI-E 2.0	DDR3	1GB	2.6GHz	1476MHz	Fansink	△	◆	Double	C, D10, P	3
GX-285X-ZWD(*)	GF GTX 285	XXX	670	PCI-E 2.0	DDR3	1GB	2.5GHz	1476MHz	Fansink	△	◆	Double	C, D10, P	3
GX-285X-ZWF(*)	GF GTX 285	Standard	648	PCI-E 2.0	DDR3	1GB	2.484GHz	1476MHz	Fansink	△	◆	Double	C, D10, P	3
GX-275X-ADQ(*)	GF GTX 275	Standard	640	PCI-E 2.0	DDR3	896MB	2.26GHz	1404MHz	Fansink	△	◆	Double	C, D10, P	3
GX-275X-ADF(*)	GF GTX 275	Standard	633	PCI-E 2.0	DDR3	896MB	2.26GHz	1404MHz	Fansink	△	◆	Double	C, D10, P	3
GX-275X-AHD(*)	GF GTX 275	XXX Core	670	PCI-E 2.0	DDR3	896MB	2.26GHz	1404MHz	Fansink	△	◆,●	Double	C, D10, P	3
GX-275X-AHQ(*)	GF GTX 275	Core	640	PCI-E 2.0	DDR3	896MB	2.26GHz	1404MHz	Fansink	△	◆,●	Double	C, D10, P	3
GX-275X-AHF(*)	GF GTX 275	Core	633	PCI-E 2.0	DDR3	896MB	2.26GHz	1404MHz	Fansink	△	◆,●	Double	C, D10, P	3
GX-260N-ADB(*)	GF GTX 260	Black	666	PCI-E 2.0	DDR3	896MB	2.3GHz	1404MHz	Fansink	△	◆,●	Double	C, D10, P	3
GX-260N-ADD(*)	GF GTX 260	XXX	640	PCI-E 2.0	DDR3	896MB	2.3GHz	1400MHz	Fansink	△	◆,●	Double	C, D10, P	3
GX-260N-ADF(*)	GF GTX 260	Standard	576	PCI-E 2.0	DDR3	896MB	2GHz	1296MHz	Fansink	△	◆,●	Double	C, D10, P	3
GX-260X-AHB(*)	GF GTX 260 8L	Black	666	PCI-E 2.0	DDR3	896MB	2GHz	1440MHz	Fansink	△	◆,●	Double	C, D10, P	3
GX-260X-AHD(*)	GF GTX 260 8L	XXX	640	PCI-E 2.0	DDR3	896MB	2GHz	1440MHz	Fansink	△	◆,●	Double	C, D10, P	3
GX-260X-AHE(*)	GF GTX 260 8L	XT	621	PCI-E 2.0	DDR3	896MB	2GHz	1296MHz	Fansink	△	◆,●	Double	C, D10, P	3
GX-260X-ADJ(*)	GF GTX 260 8L	Core	576	PCI-E 2.0	DDR3	896MB	2GHz	1296MHz	Fansink	△	◆,●	Double	C, D10, P	3
GS-250X-ZDF(*)	GF GTS 250	Standard	738	PCI-E 2.0	DDR3	1GB	2.2GHz	1836MHz	Fansink	△	◆,●	Double	C, D10, P	3
GS-250X-YDF(*)	GF GTS 250	Standard	738	PCI-E 2.0	DDR3	512MB	2.2GHz	1836MHz	Fansink	△	◆,●	Double	C, D10, P	3
PV-T98W-YDF(*)	GF 9800 GTX+	Standard	738	PCI-E 2.0	DDR3	512MB	2.2GHz	1830MHz	Fansink	△	◆,●	Double	C, D10, P	3
PV-T98G-YDL(*)	GF 9800 GT	Standard	600	PCI-E 2.0	DDR3	512MB	1.8GHz	1500MHz	Fansink	No	◆,●	Standard	C, D10, P	2
PV-T98G-YMF(*)	GF 9800 GT	Standard	580	PCI-E 2.0	DDR3	512MB	1.4GHz	1500MHz	Fansink	Yes	■,▲	Standard	C, D10, P	2
PV-T98G-YNF(*)	GF 9800 GT	Standard	550	PCI-E 2.0	DDR3	512MB	1.4GHz	1500MHz	Fansink	Yes	■,▲	Standard	C, D10, P	2
PV-T98G-YHF(*)	GF 9800 GT	Standard	550	PCI-E 2.0	DDR3	512MB	1.8GHz	TBD	Fansink	△	◆,●	Standard	C, D10, P	2
PV-T96G-ZHF(*)	GF 9600 GT	Standard	650	PCI-E 2.0	DDR3	1GB	1.8GHz	1625MHz	Fansink	△	◆,●	Standard	C, D10, P	2
PV-T96G-YHF(*)	GF 9600 GT	Standard	650	PCI-E 2.0	DDR3	512MB	1.8GHz	1625MHz	Fansink	△	◆,●	Standard	C, D10, P	2
PV-T96G-YHL(*)	GF 9600 GT 6L	Standard	650	PCI-E 2.0	DDR3	512MB	1.6GHz	1625MHz	Fansink	△	◆,●	Standard	C, D10, P	2
PV-T96G-ZAF(*)	GF 9600 GT	Standard	600	PCI-E 2.0	DDR3	1GB	1.4GHz	TBD	Fansink	△	■,○,●	Standard	C, D10, P	--
PV-T96G-ZGF(*)	GF 9600 GT	Standard	650	PCI-E 2.0	DDR3	1GB	1.8GHz	1625MHz	Fansink	△	◆,●	Standard	C, D10, P	2
PV-T96G-YAF(*)	GF 9600 GT	Standard	600	PCI-E 2.0	DDR3	512MB	1.4GHz	TBD	Fansink	△	■,○	Standard	C, D10, P	2
PV-T96G-YGF(*)	GF 9600 GT	Standard	600	PCI-E 2.0	DDR3	512MB	1.4GHz	1625MHz	Fansink	△	◆,●	Standard	C, D10, P	2
PV-T960-SDF(*)	GF 9600 GSO	Standard	580	PCI-E 2.0	DDR2	768MB	800MHz	1450MHz	Fansink	△	◆,●	Standard	C, D10, P	2
PV-T960-ZDF(*)	GF 9600 GSO	Standard	580	PCI-E 2.0	DDR2	1GB	800MHz	1450MHz	Fansink	△	◆,●	Standard	C, D10, P	2
PV-T960-FWF(*)	GF 9600 GSO	Standard	580	PCI-E 2.0	DDR3	384MB	1.9GHz	1450MHz	Fansink	△	◆	Standard	C, D10, P	2
PV-T95G-YDQ(*)	GF 9500 GT	Standard	600	PCI-E 2.0	DDR3	512MB	2GHz	1500MHz	Fansink	△	◆	Standard	C, D10, P	2
PV-T95G-ZAF(*)	GF 9500 GT	Standard	550	PCI-E 2.0	DDR2	1GB	800MHz	1375MHz	Fansink	△	■,○,●	Low	C, D10, P	2
PV-T95G-YAR(*)	GF 9500 GT	Standard	550	PCI-E 2.0	DDR2	512MB	800MHz	1375MHz	Fansink	△	■,○,●	Low	C, D10, P	2
PV-T95G-YAL(*)	GF 9500 GT	Standard	550	PCI-E 2.0	DDR2	512MB	800MHz	1375MHz	Fansink	△	■,○,●	Low	C, D10, P	2
PV-T94G-ZAF(*)	GF 9400 GT	Standard	550	PCI-E 2.0	DDR2	1GB	800MHz	1400MHz	Fansink	△	■,○,●	Low	C, D10, P	--
PV-T94G-Z1S(*)	GF 9400 GT	Fatal1ty	550	PCI-E 2.0	DDR2	1GB	800MHz	1400MHz	Fansink	△	■,○,●	Low	C, D10, P	--
PV-T94G-YAK(*)	GF 9400 GT	Standard	550	PCI-E 2.0	DDR2	512MB	800MHz	1400MHz	Fansink	△	■,○,●	Dbl Low	C, D10, P	--
PV-T94G-YAL(*)	GF 9400 GT	Standard	550	PCI-E 2.0	DDR3	512MB	800MHz	1400MHz	Fansink	△	■,○,●	Low	C, D10, P	--
PV-T94G-YAJ(*)	GF 9400 GT	Standard	550	PCI-E 2.0	DDR2	512MB	800MHz	1400MHz	Fansink	△	■,○,●	Low	C, D10, P	--
PV-T94G-ZAH(*)	GF 9400 GT	Standard	550	PCI-E 2.0	DDR2	1GB	800MHz	1400MHz	Heatsink	△	■,○,●	Standard	C, D10, P	--
PV-T94G-YHH(*)	GF 9400 GT	Standard	550	PCI-E 2.0	DDR2	512MB	800MHz	1400MHz	Heatsink	△	■,○,●	Standard	C, D10, P	--
PV-T84J-ZAF(*)	GF 8600 GT	Standard	540	PCI-E	DDR2	1GB	800MHz	1180MHz	Fansink	△	■,○,●	Standard	D10	2
PV-T84J-YAJ(*)	GF 8600 GT	Standard	540	PCI-E	DDR2	512MB	800MHz	1180MHz	Fansink	No	■,○,●	Standard	D10	2
PV-T86J-ZAF(*)	GF 8500 GT	Standard	450	PCI-E	DDR2	1GB	800MHz	1311MHz	Fansink	No	■,○,●	Standard	D10	2
PV-T86J-YAH(*)	GF 8500 GT	Standard	500	PCI-E	DDR2	512MB	667MHz	1093MHz	Heatsink	△	■,○,●	Standard	D10	2
PV-T86S-YAN(*)	GF 8400 GS	Standard	450	PCI-E	DDR2	512MB	667MHz	900MHz	Fansink	No	□,○,●	Low	D10	--
PV-T86S-WAQ(*)	GF 8400 GS	Standard	450	PCI-E	DDR2	256MB/512MB	667MHz	1200MHz	Fansink	No	□,○,●	Low	D10	--
PV-T86S-YML(*)	GF 8400 GS	DMS-59	450	PCI-E	DDR2	512MB	800MHz	900MHz	Fansink	No	♥,○,●	Low	D10	--
PV-T72S-YAF(*)	GF 7200 GS+	Standard	450	PCI-E	DDR2	512MB	667MHz	--	Fansink	No	□,○,●	Low	D9	--
PV-T72S-UAF(*)	GF 7200 GS+	Standard	450	PCI-E	DDR2	256MB	667MHz	--	Fansink	No	□,○,●	Low	D9	--
PV-T72S-YAN(*)	GF 7200 GS	Standard	450	PCI-E	DDR2	512MB	533MHz	--	Heatsink	No	□,○,●	Low	D9, T	--
PV-T72S-BAN(*)	GF 7200 GS	Standard	450	PCI-E	DDR2	256MB/512MB	533MHz	--	Heatsink	No	□,○,●	Low	D9, T	--

Outputs - ○ VGA, □ DVI, ◇ Dual DVI, ● S-Video and HDTV, ■ DVI w/ Dual-link, ◆ Dual DVI w/ Dual Dual-link, ♥ DMS-59 Output, ▲ HDMI, △ Supports HDMI with Upgrade Kit  
 Features - C=CUDA, D9=DirectX9, D10=DirectX10, P=PhysX, T=TurboCache  
 s = support up to

# AGP Products

## XFx NVIDIA

Model Number	Chipset	Version	Engine		Memory				Cooling	HDMI	Outputs	Profile	Vista	Replacement For
			Clk(MHz)	Bus Type	Type	Size	Speed**	Shader Clk						
PV-T44A-WAN(*)	GF 6200	Standard	350	AGP	DDR2	256MB	533MHz	Heatsink	--	□,○,●	Low	Yes	9600	
PV-T44A-YAJ(*)	GF 6200	Standard	350	AGP	DDR2	512MB	533MHz	Heatsink	--	□,○,●	Standard	Yes	9600	
PV-T44A-YAN(*)	GF 6200	Standard	350	AGP	DDR2	512MB	533MHz	Heatsink	--	□,○,●	Low	Yes	9600	

Outputs - ○ VGA, □ DVI, ◇ Dual DVI, ● S-Video and HDTV, ■ DVI w/ Dual-link, ◆ Dual DVI w/ Dual Dual-link, ♥ DMS-59 Output, △ Supports HDMI with Upgrade Kit



All XFX graphics cards listed are Vista ready.  
 \*\* See XFXforce.com for the complete model number and package contents. All XFX graphics cards include a Serial Number  
 Door Hanger or Card for convenient reference. Game bundles may be included with certain models/packing during promotional periods.  
 \*\* Optimal memory speed. Actual speed may vary.  
 \*\*\* Specifications subject to change without notice. See XFXforce.com for the latest information.



# PCI-Express Products

## XFX ATI



Model Number	Chipset	Version	Engine		Memory				Cooling	HDMI	Outputs	Profile	Features	CrossfireX
			Clk(MHz)	Bus Type	Type	Size	Speed**	Stream						
HD-489A-ZDD(*)	HD 4890	XXX	900	PCI-E 2.0	DDR5	1GB	3.9GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-489A-ZDE(*)	HD 4890	XT	875	PCI-E 2.0	DDR5	1GB	3.9GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-489A-ZDF(*)	HD 4890	Standard	850	PCI-E 2.0	DDR5	1GB	3.9GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-489X-ZHD(*)	HD 4890	XXX	900	PCI-E 2.0	DDR5	1GB	3.9GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-489X-ZHE(*)	HD 4890	XT	875	PCI-E 2.0	DDR5	1GB	3.9GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-489X-ZHF(*)	HD 4890	Standard	850	PCI-E 2.0	DDR5	1GB	3.9GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-487A-CDF(*)	HD 4870 X2	Standard	750	PCI-E 2.0	DDR5	2GB	3.6GHz	1600	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-487A-ZDD(*)	HD 4870	XXX	775	PCI-E 2.0	DDR5	1GB	3.8GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-487A-ZDF(*)	HD 4870	Standard	750	PCI-E 2.0	DDR5	1GB	3.6GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-487A-YDD(*)	HD 4870	XXX	775	PCI-E 2.0	DDR3	512MB	3.8GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-487A-YDF(*)	HD 4870	Standard	750	PCI-E 2.0	DDR3	512MB	3.6GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-487A-ZHD(*)	HD 4870	XXX	775	PCI-E 2.0	DDR5	1GB	3.8GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-487A-ZHF(*)	HD 4870	Standard	750	PCI-E 2.0	DDR5	1GB	3.6GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-485X-ZDD(*)	HD 4850	Standard	650	PCI-E 2.0	DDR3	1GB	1.99GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-485X-YDD(*)	HD 4850	XXX	650	PCI-E 2.0	DDR3	512MB	2.1GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-485X-ZDF(*)	HD 4850	Standard	625	PCI-E 2.0	DDR3	1GB	1.99GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-485X-YDF(*)	HD 4850	Standard	625	PCI-E 2.0	DDR3	512MB	1.99GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-485X-YHF(*)	HD 4850	Standard	625	PCI-E 2.0	DDR3	512MB	1.99GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-485X-ZHF(*)	HD 4850	Standard	625	PCI-E 2.0	DDR3	1GB	1.99GHz	800	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-483X-YDF(*)	HD 4830	Standard	575	PCI-E 2.0	DDR3	512MB	1.8GHz	640	Fansink	Δ	◆,●	Double	X, S, DX1	2
HD-477A-YDF(*)	HD 4770	Standard	750	PCI-E 2.0	DDR5	512MB	3.2GHz	640	Fansink	Δ	◆,●	Double	X, S, DX1	3
HD-465X-ZDF(*)	HD 4650	Standard	600	PCI-E 2.0	DDR2	1GB	1GHz	320	Fansink	Δ	◆,●	Standard	S, DX1	--
HD-465X-YAF(*)	HD 4650	Standard	600	PCI-E 2.0	DDR2	512MB	800MHz	320	Fansink	Δ	◆,●	Standard	S, DX1	--
HD-465X-ZDH(*)	HD 4650	Standard	600	PCI-E 2.0	DDR2	1GB	1GHz	320	Heatpipe	Δ	◆,●	Standard	S, DX1	--
HD-455Z-ZAH(*)	HD 4550	Standard	625	PCI-E 2.0	DDR2	1GB	800MHz	80	Heatsink	Δ	◆,●	Low	DX1, M	--
HD-455Z-YAH(*)	HD 4550	Standard	625	PCI-E 2.0	DDR2	512MB	800MHz	80	Heatsink	Δ	◆,●	Low	DX1, M	--
HD-435X-YAH(*)	HD 4350	Standard	600	PCI-E 2.0	DDR2	512MB	800MHz	80	Heatsink	Δ	◆,●	Low	DX1, M	--
HD-435X-ZAH(*)	HD 4350	Standard	600	PCI-E 2.0	DDR2	1GB	800MHz	80	Heatsink	Δ	◆,●	Low	DX1, M	--
HD-435X-YNH(*)	HD 4350	Standard	600	PCI-E 2.0	DDR2	512MB	800MHz	80	Heatsink	Yes	◆,●,▲	Low	DX1, M	--

Outputs - ○ VGA, □ DVI, ◇ Dual DVI, ● S-Video and HDTV, ■ DVI w/ Dual-link, ◆ Dual DVI w/ Dual Dual-link, ♥ DMS-59 Output, ▲ HDMI, Δ Supports HDMI with Upgrade Kit  
 Features - X=CrossFireX, S=Stream Technology, M=HyperMemory, DX1=DirectX10.1

# AGP Products

## XFX ATI

Model Number	Chipset	Version	Engine		Memory				Cooling	HDMI	Outputs	Profile	Features	CrossfireX
			Clk(MHz)	Bus Type	Type	Size	Speed**	Stream						
HD-465X-ZPF(*)	HD 4650	Standard	600	AGP	DDR2	1GB	800MHz	320	Fansink	Δ	◆,●	Standard	DX1	--
HD-465X-YPF(*)	HD 4650	Standard	600	AGP	DDR2	512MB	800MHz	320	Fansink	Δ	◆,●	Standard	DX1	--

Outputs - ○ VGA, □ DVI, ◇ Dual DVI, ● S-Video and HDTV, ■ DVI w/ Dual-link, ◆ Dual DVI w/ Dual Dual-link, ♥ DMS-59 Output, ▲ HDMI, Δ Supports HDMI with Upgrade Kit  
 Features - X=CrossFireX, S=Stream Technology, M=HyperMemory, DX1=DirectX10.1

# Motherboards

Model Number	Chipset	CPU	FSB	System Memory	Features	USB/Firewire Ports	SATA/eSATA	SLI	SLI Memory	Video Output
MB-X58I-CH19	Intel X58	LGA 1366	--	240-pin 1333MHz DDR3 up to 12 GB (6)	--	6/1	6/2	3-Way	No	--
MB-N790-IUL9	nForce 790i MCP	Socket 775	1600MHz	(4) 240-pin DDR3 up to 2000MHz w/ EPP 2.0	--	6/1	6/1	Quad, 3-Way, 2-Way	Yes	--
MB-N780-ISH9	nForce 780i MCP	Socket 775	1333MHz	240-pin 800MHz DDR2 up to 8GB (4)	--	6/1	6/0	3-Way	Yes	--
MB-N680-IL9	nForce 680i LT SLI	Socket 775	1333MHz	240-pin DDR2 up to 8GB (4)	--	4/1	6/0	Quad, 2-Way	Yes	--
MI-IG31-CH79	Intel G31	LGA 775	1333MHz	240-pin 800MHz DDR2 up to 4GB (2)	D9	4/0	4/1	--	No	○
MI-XG31-CH79	Intel G31	LGA 775	1333MHz	240-pin 800MHz DDR2 up to 4GB (2)	D9	4/0	4/1	--	No	○
MI-G31I-CH79	Intel G31	LGA 775	1333MHz	240-pin 800MHz DDR2 up to 4GB (2)	D9	4/0	4/1	--	No	○
MD-A72P-7509	nForce 750a MCP	Socket AM2+	--	(4) 240-pin DDR2 up to 1066 MHz	D10, G, H	4/0	6/1	Quad, 2-Way	--	□, ○, ▲
MB-750I-72P9	nForce 750i MCP	Socket 775	1333MHz	(4) 240-pin DDR2 up to 800 MHz	--	5/1	4/1	Quad, 2-Way	--	--
MI-9300-7A59	GeForce 9300	LGA 775	1333MHz	(4) 240-pin DDR2 up to 800 MHz	D10	6/0	6/1	--	--	□, ○, ▲
MB-N78S-8209	GeForce 8200	Socket AM2+	--	(4) 240-pin DDR2 up to 1066 MHz	D10, G, H	4/0	6/1	--	--	□, ○, ▲
MG-63MI-7159	nForce 630i MCP	Socket 775	1333MHz	240-pin 800MHz DDR2 up to 4GB (2)	D9	4/0	4/0	--	--	○, ▲
MG-63MI-7109	nForce 630i MCP	Socket 775	1333MHz	240-pin 800MHz DDR2 up to 4GB (2)	D9	4/0	4/0	--	--	○, ▲
MG-61MI-7059	nForce 610i MCP	Socket 775	1066MHz	240-pin 667MHz DDR2 up to 4GB (2)	D9	4/0	4/0	--	--	○

Outputs - ○ VGA, □ DVI, ◇ Dual DVI, ● S-Video and HDTV, ■ DVI w/ Dual-link, ◆ Dual DVI w/ Dual Dual-link, ♥ DMS-59 Output, Δ Supports HDMI with Upgrade Kit  
 Features - C=CUDA, D9=DirectX9, D10=DirectX10, G=GeForce Boost, H=HybridPower, P=PhysX, T=TurboCache

# Accessories

Model Number	Description	Platform	Input	Output	Contents
MA-BK01-LP1K	XFx Low Profile Bracket Kit	Low Profile PC	--	S-Video Plus DVI and/or VGA	3 Selectible Low Profile Brackets, 1 VGA Port Cable
MK-HDMI-UP1K	HDMI Upgrade Kit	HDMI Capable Graphics cards	--	--	HDMI Cable, DVI to HDMI Adapter, SPDIF Cable



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Door Hanger or Card for convenient reference. Game bundles may be included with certain models/packing during promotional periods.

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