



# Quadro FX 380LP

**Workstation graphics with an affordable price**

The Quadro® FX 380 Low-Profile solution enables designers to leverage the 3D capabilities of applications to create and interact with more complex designs, achieving maximum productivity without sacrificing visual quality.

Being EnergyStar compliant, Quadro FX380LP provides extreme power efficiency for great savings on operational costs. Certified on all industry-leading applications and featuring automatic configuration of display settings, Quadro FX 380LP provides both power efficiency and performance.

<b>Memory</b>	512 MByte DDR3 RAM
<b>Memory Bandwidth</b>	12.8 GB/s
<b>Bus Type</b>	PCI-E 2.0 x16
<b>CUDA Processor Cores</b>	16
<b>Connectors</b>	1x Dual Link DVI-I 1x DisplayPort
<b>SLI Support</b>	No
<b>Dual-Link-DVI</b>	1x (2x with opt. adapter)
<b>HDCP Support</b>	Yes
<b>max. Analog Resolution</b>	1x 2048x1536 (2x with opt. adapter)
<b>max. Digital Resolution</b>	2x 1920x1200
<b>RAMDAC</b>	400 Mhz
<b>Power Consumption</b>	28 Watt
<b>Size</b>	Low Profile SFF / 69 x 168 mm
<b>Product Number</b>	Retail: VCQFX380LP-PCIE-PB Bulk: VCQFX380LP-PCIEBLK-1
<b>Suggested Retail Price</b> Plus VAT Subject to changes	€ 99,- £ 89,-



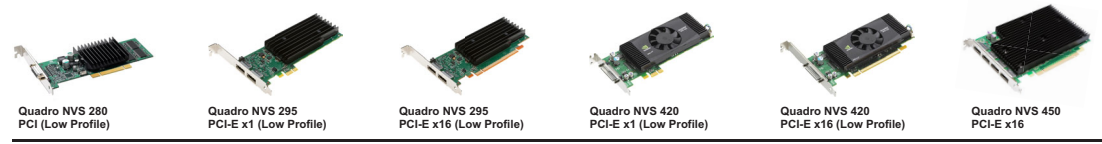


	Quadro FX 380LP	Quadro FX 380	Quadro FX 580	Quadro FX 1800	Quadro FX 3800	Quadro FX 4800	Quadro FX 5800	Quadro FX 4700 X2	Quadro FX 4800G	Quadro FX 5800G	Quadro FX 4800SDI	Quadro FX 5800SDI	Quadro FX 4800 for Mac
<b>Memory</b>	512MB DDR3 SDRAM	256MB GDDR3 SDRAM	512MB GDDR3 SDRAM	768MB GDDR3 SDRAM	1GB GDDR-3 SDRAM	1.5GB GDDR-3 SDRAM	4GB GDDR-3 SDRAM	2x 1024MB GDDR-3 SDRAM	1.5GB GDDR-3 SDRAM	4GB GDDR-3 SDRAM	1.5GB GDDR-3 SDRAM	4GB GDDR-3 SDRAM	1.5GB GDDR-3 SDRAM
<b>Memory Bandwidth</b>	12.8 GB/s	22.4 GB/s	25.6 GB/s	38.4 GB/s	51.2 GB/s	76.8 GB/s	102 GB/s	2x 51.2 GB/s	76.8 GB/s	102 GB/s	76.8 GB/s	102 GB/s	76.8 GB/s
<b>Bus Type</b>	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16	PCI-E 2.0 x16
<b>CUDA Processing Cores</b>	12	16	32	64	192	192	240	2x 128	192	240	192	240	192
<b>Connectors</b>	1x DVI-I 2x DisplayPort	2x DVI-I	1x DVI-I 2x DisplayPort	1x DVI-I 2x DisplayPort	1x DVI-I 2x DisplayPort optional 1x Stereo miniDIN	1x DVI-I 2x DisplayPort optional 1x Stereo miniDIN	2x DVI-I 1x DisplayPort 1x Stereo miniDIN	4x DVI-I 1x Stereo miniDIN	1x DVI-I 2x DisplayPort 1x Stereo miniDIN 2x RJ45 1x BNC	2x DVI-I 1x DisplayPort 1x Stereo miniDIN 2x RJ45 1x BNC	1x DisplayPort 1x Stereo miniDIN 3x BNC	1x DVI-I 1x DisplayPort 1x Stereo miniDIN 3x BNC	2x DVI-I 1x Stereo miniDIN
<b>SLI Support</b>	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Dual-Link-DVI</b>	1x	2x	1x	1x	1x	1x	4x	1x	2x	-	2x	2x	2x
<b>HDCP Support</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
<b>max. Analog Resolution</b>	2x 2048x1536 <sup>6</sup>	2x 2048x1536	2x 2048x1536 <sup>6</sup>	2x 2048x1536 <sup>6</sup>	2x 2048x1536 <sup>6</sup>	2x 2048x1536 <sup>6</sup>	2x 2048x1536	4x 2048x1536	2x 2048x1536 <sup>6</sup>	2x 2048x1536	-	1x 2048x1536	2x 2048x1536
<b>max. Digital Resolution</b>	2x 2560x1600 <sup>1</sup>	2x 2560x1600	2x 2560x1600 <sup>1</sup>	2x 2560x1600 <sup>1</sup>	2x 2560x1600 <sup>1</sup>	2x 2560x1600 <sup>1</sup>	2x 2560x1600	4x 2560x1600	2x 2560x1600 <sup>1</sup>	2x 2560x1600	1x 2560x1600 <sup>2</sup>	1x 2560x1600	2x 2560x1600
<b>RAMDAC</b>	400 Mhz	Dual 400 Mhz	400 Mhz	400 Mhz	400 Mhz	400 Mhz	Dual 400 Mhz	2x Dual 400 Mhz	400 Mhz	Dual 400 Mhz	-	Dual 400 Mhz	Dual 400 Mhz
<b>Power Consumption</b>	28 Watt	34 Watt	40 Watt	59 Watt	107 Watt	150 Watt	189 Watt	236 Watt	154 Watt	194 Watt	158 Watt	197 Watt	150 Watt
<b>Rel. Performance*</b>	1.0	1.1	1.4	2.1	3.1	3.6	4.5	5.4	3.6	4.5	3.6	4.5	3.6
<b>Product Number</b>	VCQFX380LP-PCI-E-PB	VCQFX380-PCI-E-PB	VCQFX580-PCI-E-PB	VCQFX1800-PCI-E-PB	VCQFX3800-PCI-E-PB	VCQFX4800-PCI-E-PB	VCQFX5800-PCI-E-PB	VCQFX4700X2-PCI-E-PB	VCQFX4800G-PCI-E-PB	VCQFX5800G-PCI-E-PB	VCQFX4800SDI-PCI-E-PB	VCQFX5800SDI-PCI-E-PB	VCQFX4800 MAC-PB
<b>Suggested Retail Price</b> <small>Plus VAT Subject to changes</small>	€ 99,- £ 89,-	€ 99,- £ 89,-	€ 159,- £ 139,-	€ 479,- £ 379,-	€ 779,- £ 699,-	€ 1509,- £ 1349,-	€ 2749,- £ 2449,-	€ 2339,- £ 2079,-	€ 2339,- £ 2079,-	€ 3579,- £ 3179,-	€ 5089,- £ 4529,-	€ 6329,- £ 5629,-	€ 1329,- £ 1179,-

**Features**

**All products**  
Full 128-bit floating-point precision pipeline / 12-bit subpixel precision / Hardware accelerated two-sided lighting / Hardware accelerated antialiased points & lines / Hardware OpenGL overlay planes / Hardware accelerated clipping planes / Shader Model 4.0 / Full OpenGL 3.1 and DirectX 10.0 support / 3rd-generation occlusion culling / Fully programmable GPU / Optimized compiler for CUDA, OpenSL, Microsoft HLSL / Dedicated Video Processing Engine / 64-bit floating point precision / 8k Texture Processing / CUDA Computing Technology / Unified Hardware Architecture / 8 pixels per clock rendering engine / 16 textures per pixel / Dual-Link TMDS / Rotated-Grid-Fullscene-Antialiasing / High Precision Dynamic Range Technologie (HPDR) / Advance Color Compression / Early Z-Cull / Hardware accelerated Pixel Read-Back / Hardware 3D window clipping

**Only FX 3800 / FX 4800 / FX 5800 / FX 4700X2 / FX 4800G / FX 5800G / FX 4800SDI / FX 5800SDI**  
OpenGL quad-buffered stereo / NVIDIA POWERwall



	Quadro NVS 280 PCI (Low Profile)	Quadro NVS 295 PCI-E x1 (Low Profile)	Quadro NVS 295 PCI-E x16 (Low Profile)	Quadro NVS 420 PCI-E x1 (Low Profile)	Quadro NVS 420 PCI-E x16 (Low Profile)	Quadro NVS 450 PCI-E x16
<b>Memory</b>	64MB DDR SDRAM	256MB GDDR3 SDRAM	256MB GDDR3 SDRAM	512MB GDDR3 SDRAM	512MB GDDR3 SDRAM	512MB GDDR3 SDRAM
<b>Bus Type</b>	PCI 2.0	PCI-Express x1	PCI-Express x16	PCI Express x1	PCI Express x16	PCI Express x16
<b>CUDA Processing Cores</b>	-	8	8	16	16	16
<b>Connectors</b>	1x DMS59 2x VGA oder 2x DVI-I with adapter	2x DisplayPort 2x DVI-D with adapter	2x DisplayPort 2x DVI-D with adapter	1x VHDCI 4x DisplayPort or 4x DVI-D with adapter	1x VHDCI 4x DisplayPort or 4x DVI-D with adapter	4x DisplayPort 4x DVI-D with adapter
<b>max. Analog Resolution</b>	2x 2048x1536	2x 2048x1536 <sup>7</sup>	2x 2048x1536 <sup>7</sup>	4x 2048x1536 <sup>8</sup>	4x 2048x1536 <sup>8</sup>	4x 2048x1536 <sup>8</sup>
<b>max. Digital Resolution</b>	2x 1920x1200	2x 2560x1600 <sup>3</sup>	2x 2560x1600 <sup>3</sup>	4x 2560x1600 <sup>4</sup>	4x 2560x1600 <sup>4</sup>	4x 2560x1600 <sup>5</sup>
<b>RAMDAC</b>	Dual 400 Mhz	-	-	-	-	-
<b>Power Consumption</b>	12 Watt	23 Watt	23 Watt	40 Watt	40 Watt	35 Watt
<b>Product Number</b>	VCQ4280NVS-PCI-PB	VCQ295NVSX1DVI-PB	VCQ295NVSX16DVI-PB	VCQ420NVS-X1-PB	VCQ420NVS-X16-PB	VCQ450NVSX16DVI-PB
<b>Suggested Retail Price</b> <small>Plus VAT Subject to changes</small>	€ 119,- £ 99,-	€ 129,- £ 119,-	€ 129,- £ 119,-	€ 399,- £ 359,-	€ 399,- £ 359,-	€ 439,- £ 389,-

**System-requirements**

IBM or 100% compatible PC with original Intel Pentium /Xeon or AMD Athlon XP/Opteron class processor or higher  
Apple Mac Pro 3,1 / 4,1 or higher (only Quadro FX 4800 for Mac)  
Open PCI-E x16 or higher slot  
Open PCI-E x1 or higher slot (only Quadro NVS 290 PCI-E x1 / NVS 295 PCI-E x1 / NVS 420 PCI-E 1x)  
Open PCI-E x16 or higher slot with open adjacent slot  
(only Quadro FX 4700X2 / FX 4800 / FX 5800 / Quadro 4800 for mac)  
Open PCI-E x16 or higher slot, open adjacent slot and an additional open PCI or PCI-E slot  
(only Quadro FX 4800G / FX 5800G / FX 4800SDI / FX 5800SDI)  
450W power supply with 6-pin PCI Express power connector  
(only Quadro FX 3800 / FX 4800 / 4800G)  
450W power supply with 6-pin PCI Express power connector and one 4-pin power connector  
(only FX 4800SDI)  
500 Watt power supply with two 6-pin PCI Express power connectors and one 4-pin power connectors  
(only FX 5800SDI)  
500W power supply with two 6-pin PCI Express power connectors (only Quadro FX 5800 / FX 5800G)  
600W power supply with one 6-pin and one 8-pin PCI Express power connector (only Quadro FX 4700X2)  
512 MB system memory / CD-ROM or DVD-ROM drive  
400 MB of available disk space for full installation  
Display Port, VGA or DVI-I compatible display  
Display Port or DVI-D compatible display (only NVS 205 / NVS 420 / NVS 450)  
Windows Vista, XP, 2000, Linux IA32, IA64, AMD64, FreeBSD  
Apple OS 10.5.7 or higher (only Quadro FX 4800 for Mac)

<sup>1</sup>2x 2560x1600 only with DisplayPort or opt. DP to DL-DVI adapter. Otherwise only 1x 2560x1600 with DVI  
<sup>2</sup>1x 2560x1600 only with DisplayPort or opt. DP to DL-DVI adapter. Otherwise only 1x 1920x1200 with included SingleLink DVI-D adapter.  
<sup>3</sup>2x 2560x1600 only with DisplayPort or opt. DP to DL-DVI adapter. Otherwise only 2x 1920x1200 with included SingleLink DVI-D adapter.  
<sup>4</sup>4x 2560x1600 only with DisplayPort or opt. DP to DL-DVI adapter. Otherwise only 4x 1920x1200 with VHDCI to DVI-D Adapter.  
<sup>5</sup>4x 2560x1600 only with DisplayPort or opt. DP to DL-DVI adapter. Otherwise only 4x 1920x1200 with included SingleLink DVI-D adapter.  
<sup>6</sup>2x 2048x1536 only with opt. DP to VGA adapter. Otherwise only 1x 2048x1536 with included DVI-I to VGA adapter  
<sup>7</sup>2x 2048x1536 only with opt. DP to VGA adapter  
<sup>8</sup>4x 2048x1536 only with opt. DP to VGA adapter

\* Measured on the basis of SPECintbaseint10 SPECintbasefloat10 SPECintbasefloat10 SPECintbasefloat10 with Xeon Quad Core 3.0 GHz, driver: 175.30 or higher  
More information at www.spec.org

