XGI Volari™ Graphics Processor Series

		Enthusiast		High-End		Mainstream		Mobile
	Processor	XGI Volari Duo		XGI Volari V8 Ultra	XGI Volari V8	XGI Volari V5 Ultra	XGI Volari V5	XGI Volari XP5
	Processor Description	First dual DX9 graphics processor solution for extreme high-end 3D performance		For driving high-end 3D graphics and effects of next generation PC games	Ideal for extreme 2D/3D graphics and video demand	Optimal performance for desktop entertainment, educational and multimedia applications	Processor designed for mainstream graphic-intense applications on modern PCs	For high-performance graphics application for mobile computing
		Powered by Volari V8 Ultra	Powered by Volari V5 Ultra					
	Duo GPU	✔	✔	–	–	–	–	–
	AGP8X	✔	✔	✔	✔	✔	✔	✔
Performance	Engine Clock	350MHz	350MHz	350MHz	300MHz	350MHz	300MHz	250MHz
Performance	DDR2 Support	DDR2-500MHz	DDR2-500MHz	DDR2-500MHz	DDR2-450MHz	DDR2-500MHz	DDR2-450MHz	N/A
Performance	DDR Support	DDR-375MHz+	DDR-375MHz+	DDR-375MHz+	DDR-325MHz	DDR-375MHz+	DDR-325MHz	DDR-250MHz
Performance	Max. DRAM	512MB*	512MB*	256MB	256MB	256MB	256MB	128MB
Performance	DirectX	9.0	9.0	9.0	9.0	9.0	9.0	8.1
Performance	OpenGL	1.4	1.4	1.4	1.4	1.4	1.4	1.3
3D Engine	Pipeline	16	8	8	8	4	4	4
3D Engine	Vertex Shader	4	4	2	2	2	2	1
3D Engine	Pixel Shader	8	4	4	4	2	2	1
3D Engine	Shader Ver.	2.0	2.0	2.0	2.0	2.0	2.0	1.3
3D Engine	Video In	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Interface	Dual View	XV301	XV301	XV301	XV301	XV301	XV301	Triple-view
Interface	Dual Digital	Duo XV301	Duo XV301	Duo XV301	Duo XV301	Duo XV301	Duo XV301	Triple-view
Interface	DAC	400MHz	400MHz	400MHz	400MHz	400MHz	400MHz	–
Interface	Memory Architecture	BroadBahn™	BroadBahn™	BroadBahn™	BroadBahn™	BroadBahn™	BroadBahn™	–
Interface	Video Processor	Cipher™	Cipher™	Cipher™	Cipher™	Cipher™	Cipher™	3D Pro
Features	Navigator	✔	✔	✔	✔	✔	✔	N/A
Features	Hardware Rotate	Rotech™	Rotech™	Rotech™	Rotech™	Rotech™	Rotech™	N/A
	Unified Driver	Reactor™	Reactor™	Reactor™	Reactor™	Reactor™	Reactor™	N/A
	Utility	ControlDeck™	ControlDeck™	ControlDeck™	ControlDeck™	ControlDeck™	ControlDeck™	N/A

*Total On-board Video DRAM

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XGI Technology Inc. 886.2.8751.8918 **www.xgitech.com**