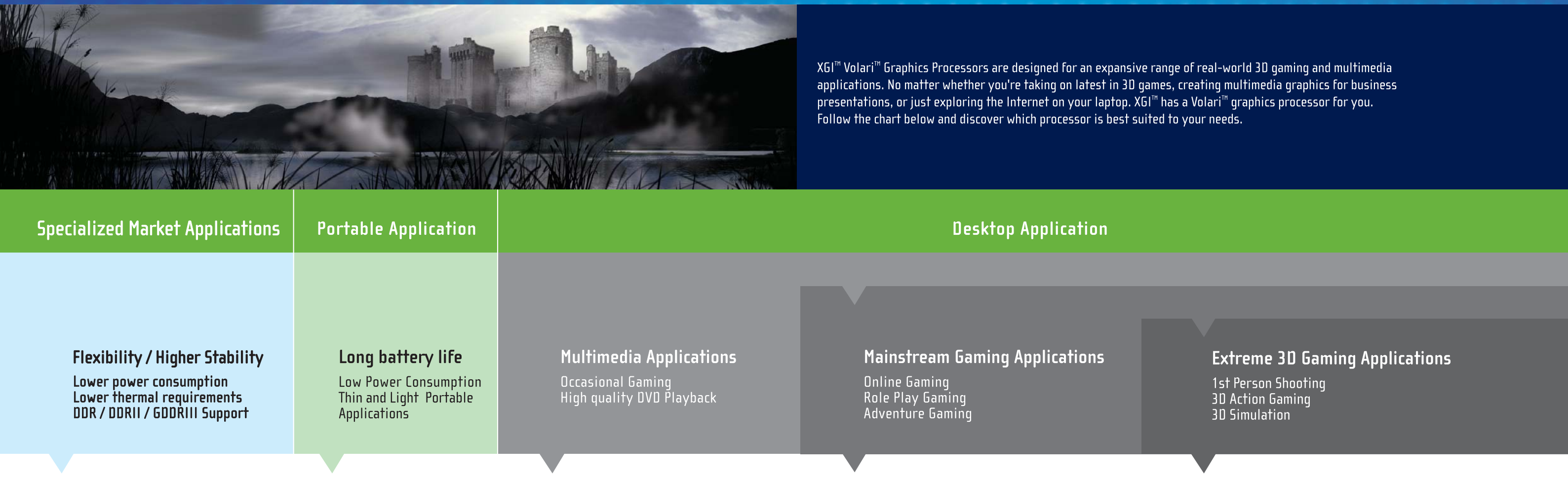# XGI™ Volari™ Graphics Processor Series

XGI™ Volari™ Graphics Processors are designed for an expansive range of real-world 3D gaming and multimedia applications. No matter whether you're taking on latest in 3D games, creating multimedia graphics for business presentations, or just exploring the Internet on your laptop. XGI™ has a Volari™ graphics processor for you. Follow the chart below and discover which processor is best suited to your needs.

Specialized Market Applications	Portable Application	Desktop Application		
Flexibility / Higher Stability Lower power consumption Lower thermal requirements DDR / DDRII / GDDRIII Support	**Long battery life** Low Power Consumption Thin and Light Portable Applications	**Multimedia Applications** Occasional Gaming High quality DVD Playback	**Mainstream Gaming Applications** Online Gaming Role Play Gaming Adventure Gaming	**Extreme 3D Gaming Applications** 1st Person Shooting 3D Action Gaming 3D Simulation

Specialized Market	Mobile	Value	Mainstream		High-End		Enthusiast
Volari™ Z7 Tailor-made for servers, thin clients and other specialized markets	**Volari™ XP5** For Advanced Mobile Graphics and Multimedia Applications	**Volari™ V3 Processor** Affordable 3D graphics processor for mainstream 2D/3D graphics	**Volari™ V3XT Processor** Affordable 3D graphics processor for mainstream 2D/3D graphics	**Volari™ V5 Processor** For Mainstream Gaming Graphics and Advanced Multimedia Applications	**Volari™ V8 Processor** For High Performance Gaming Graphics and effects of next generation PC games	**Volari™ V8 Ultra Processor** For High Performance Gaming Graphics and effects of next generation PC games	**Volari™ Duo Graphics Processor Solution** Revolutionized Dual GPU architecture for twice the processing power

XGI Technology Inc.

All XGI™ Volari™ Processors excluding Volari™ V3 and Volari™ XP5 features True-hardware DX9 support, XGI™ Reactor™ Unified Driver, and XGI™ ControlDeck™ display software.

Get More From Your Graphics!

XGI™ Volari™ Graphics Processor Series

	Enthusiast	High-End		Mainstream	Value		Mobile
Processor	Volari™ Duo Graphics Processor Solution	Volari™ V8 Ultra Processor	Volari™ V8 Processor	Volari™ V5 Processor	Volari™ V3XT Processor	Volari™ V3 Processor	Volari™ XP5
Processor Description	First dual DX9 graphics processor solution for extreme high-end 3D performance Powered by Volari™ V8 Ultra	For driving high-end and real-time 3D graphics of next generation PC games		Ideal graphics processor for intensive 2D/3D and video processing	Affordable 3D graphics processor for mainstream 2D/3D graphics		High-performance graphics application for mobile computing

Performance / 3D Engine

	Enthusiast	V8 Ultra	V8	V5	V3XT	V3	XP5
Duo GPU	✔	—	—	—	—	—	—
AGP8X	✔	✔	✔	✔	✔	✔	✔
Pipeline	16	8	8	4	2	2	2
Memory Bandwidth	256Bit DDR/DDR2	128Bit DDR	128Bit DDR	128Bit DDR	64Bit DDR	128Bit DDR	128Bit DDR
Max DRAM	512MB	256MB	256MB	256MB	128MB	128MB	128MB
DirectX	9.0	9.0	9.0	9.0	9.0	8.1	8.1
OpenGL	1.5	1.5	1.5	1.5	1.5	1.3	1.3
Pixel Shader ver.	2.0	2.0	2.0	2.0	2.0	1.3	1.3
Vertex Shader	4	2	2	2	1	1	1
Pixel Shader	8	4	4	2	1	1	1
FSAA	4X	4X	4X	4X	4X	—	—
AF	4X	4X	4X	4X	4X	—	—

Interface

	Enthusiast	V8 Ultra	V8	V5	V3XT	V3	XP5
HDTV *	1080i / 720p	1080i / 720p	1080i / 720p	1080i / 720p	1080i / 720p	Tripleview	—
TV Out	✔	✔	✔	✔	✔	Built-in	Built-in
Dual Output	✔	✔	✔	✔	✔	Tripleview	Tripleview
Rotech	✔	✔	✔	✔	✔	—	—
DesktoPlus	✔	✔	✔	✔	✔	—	—
Unified Driver	✔	✔	✔	✔	✔	✔	NA

* Optional

Specialized Market

Processor	Volari™ Z7
Processor Description	Tailor-made for servers, thin clients and other specialized markets

Interface

	Volari™ Z7
Frequency	166MHz for DDR 200MHz for DDRII/III
Interface	PCI
Pipeline	1
Memory Bandwidth	16/32bit for DDR 16bit for DDRII/III
DRAM	8~128MB
output	D-Sub
GDI2000	✔
Resolution Support	up to 1600x1200

Performance

	Volari™ Z7
4:3	✔
16:9	✔
OS support	Windows Server 2000/2003 (64 bit support), RHEL3.0 (64 bit support), SUSE9, WinCE4.2
Direct Draw	✔