



PRODUCT SUMMARY

NITRO Intel® Arc™ B Series

Marketing Name

Nitro Intel® Arc™ B570 10GB Graphics Card

Nitro Intel® Arc™ B570 OC 10GB Graphics Card

Nitro Intel® Arc™ B580 12GB Graphics Card

Nitro Intel® Arc™ B580 OC 12GB Graphics Card

Model Name

AN-B570

AN-B570-OCD

AN-B580

AN-B580-OCA

Project Name

IBMGN560

FCS

December 22, 2024

Type

Focus

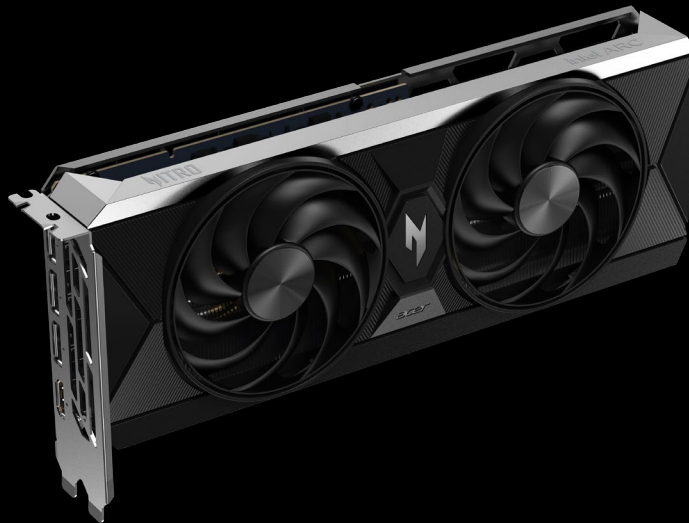
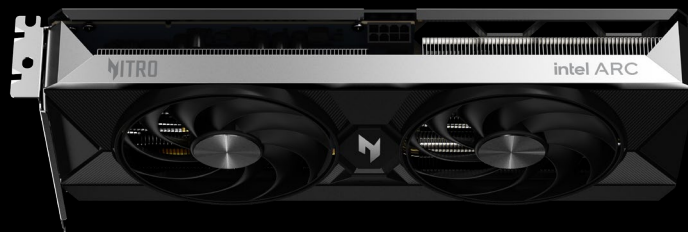
Project Team

Lloyd Lai, Central Marketing

Mars Chang, Graphic Design

Harry Huang, Animator

Richard Tseng, Photographer



NITRO Intel® Arc™ B Series Graphics Card



1. Product Line-up
2. Target Audience
3. Hero shot & Statement
4. SEO Key Word Suggestion
5. Top 3 Selling Points
6. Feature Summary
7. New Technology
8. I/O & Color, Material, Finish
9. Image Gallery

NITRO	AMD		intel	
		OC		OC
8GB				
10GB			 Nitro Intel® Arc™ B570 10GB (IBMG560)	 Nitro Intel® Arc™ B570 OC 10GB (IBMG560)
12GB			 Nitro Intel® Arc™ B580 12GB (IBMG560)	 Nitro Intel® Arc™ B580 OC 12GB (IBMG560)
16GB				

TARGET AUDIENCE

Entry Gamer

NITRO graphics cards target performance gamers who love conquering all the latest game titles and streaming to their audience. At the meantime, they would also like to build their own PC systems to fulfill the desire of the best experience on gaming, streaming and creativity with affordable prices.





NITRO



SEO KEYWORD SUGGESTION

Branded Keyword

Nitro Intel Arc Graphics Card
Nitro Intel Arc B Series
Nitro Intel Arc B570 Graphics Card
Nitro Intel Arc B580 Graphics Card

Dominate Keyword

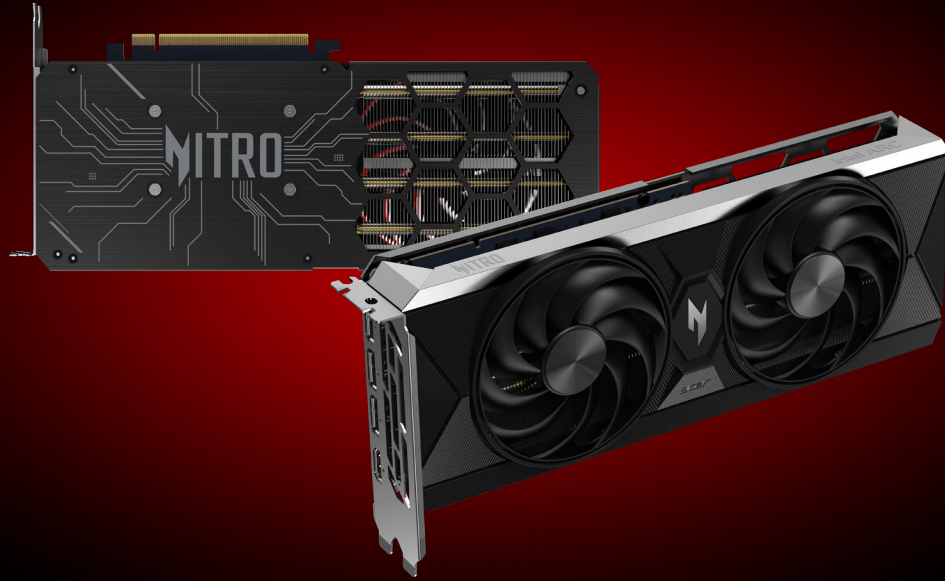
Intel Graphics
Acer Graphics Card
Frostblade

Attack Keyword

Intel Arc GPU
OC GPU

Defend Keyword

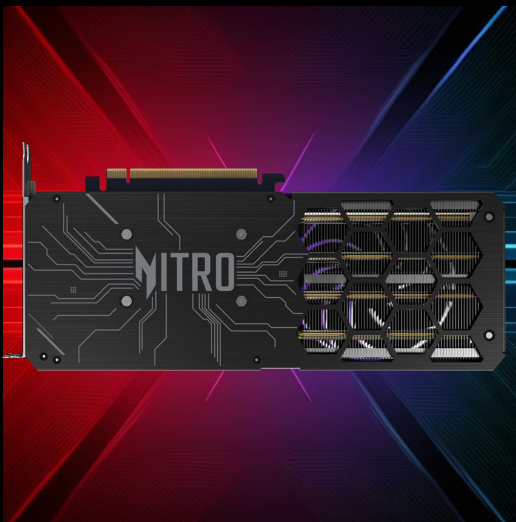
Graphics card for gaming PC
VGA cards
AI Generation



NITRO INTEL[®] ARC[™] B SERIES GRAPHICS CARD

B Unstoppable. B Nitro

Step up your game with a graphics card designed for **gamers ready** for the next level. Enjoy smooth **high FPS gaming at 1440p**, stunning **8K visuals**, and reliable **Frostblade cooling**. Compact, Durable, and ready for victory—perfect for those starting their journey **into high-performance gaming**.



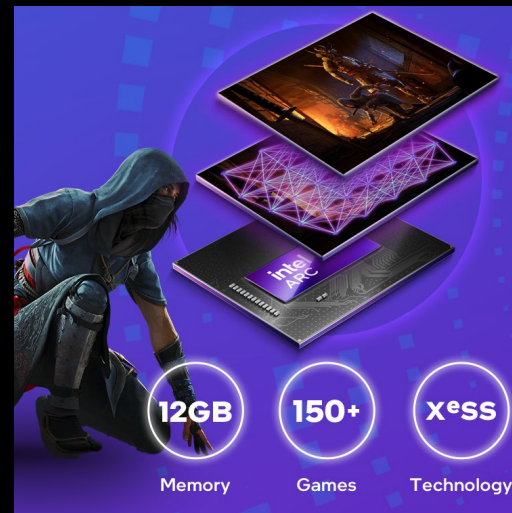
1. B A Game Changer

Introducing the **Nitro Intel® Arc™ B-Series Graphics Card**—A modern graphics card, engineered to be packed with tech that delivers exceptional gaming, versatile creation, and accessible **AI experiences**.



2. Stay Frosty, Play Fierce

Designed for gamers who demand more, the superior **Frostblade cooling** thermal system keeps your card cool in game under fire. With the small form factor, it fits perfectly into your rig, leaving no room for compromise—just victory.



3. Every Frame, Every Victory

Dominate the battlefield with **high FPS gaming**, with **support up to 8K display** to bring your games to life with unmatched detail and clarity.



4. B Ready To Create

A versatile Creator toolkit is at your fingertips with **Intel® Arc™ B Series**. Create, edit, and upload content quickly with a wide range of support for the most popular media formats.



5. B Ready to Generate

Explore the **latest AI experiences** right on your PC with **AI Playground**, an app that does everything from text to image generation, to AI chatbots.

Fundamentals		Intel® Arc™ B-Series Graphics	Cooling		2 x FrostBlade
		DirectX 12 Ultimate	Output		1 x HDMI 2.1
	OPEN GL	OpenGL 4.6			3 x DisplayPort™ 2.1
	Xe2	18 Cores			Digital Max Resolution: 7680 x 4320 Simultaneous Display: 4
	Interface	Bus Interface: PCIe 4.0 x 8 PCIe Power: 8-pin	Minimum PSU Recommendation	600W Total Board Power: 150W	
		Memory Size: 10 GB GDDR6 Memory Bandwidth: 380 GBps Memory Speed: 19 Gbps	Dimensions	268 (L) x 113 (W) x 40 (H) mm	
		Graphics Clock: 2500 MHz	Specifications may vary depending on region		



Intel® Arc™ B-Series Graphics

Cooling



2 x FrostBlade



DirectX 12 Ultimate



1 x HDMI 2.1

OPEN GL

OpenGL 4.6

Output



3 x DisplayPort™ 2.1

Xe2

18 Cores



Digital Max Resolution: 7680 x 4320
Simultaneous Display: 4

Interface

Bus Interface: PCIe 4.0 x 8
PCIe Power: 8-pin

Minimum PSU Recommendation

600W
Total Board Power: 150W



Memory Size: 10 GB GDDR6
Memory Bandwidth: 380 GBps
Memory Speed: 19 Gbps

Dimensions

268 (L) x 113 (W) x 40 (H) mm



Graphics Clock: 2500 MHz

Specifications may vary depending on region

Nitro Intel® Arc™ B580 12GB Graphics Card

Fundamentals



Intel® Arc™ B-Series Graphics

Cooling



2 x FrostBlade

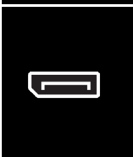


DirectX 12 Ultimate



1 x HDMI 2.1

Output



3 x DisplayPort™ 2.1



Digital Max Resolution: 7680 x 4320
Simultaneous Display: 4

Interface

Bus Interface: PCIe 4.0 x 8
PCIe Power: 8-pin

Minimum PSU Recommendation

600 W
Total Board Power: 190W



Memory Size: 12 GB GDDR6
Memory Bandwidth: 456 GBps
Memory Speed: 19 Gbps

Dimensions

268 (L) x 113 (W) x 40 (H) mm



Graphics Clock: 2670 MHz

Specifications may vary depending on region

Fundamentals		Intel® Arc™ B-Series Graphics	Cooling		2 x FrostBlade
		DirectX 12 Ultimate	Output		1 x HDMI 2.1
	OPEN GL	OpenGL 4.6			3 x DisplayPort™ 2.1
	Xe2	20 Cores			Digital Max Resolution: 7680 x 4320 Simultaneous Display: 4
	Interface	Bus Interface: PCIe 4.0 x 8 PCIe Power: 8-pin	Minimum PSU Recommendation	600 W Total Board Power: 205W	
		Memory Size: 12 GB GDDR6 Memory Bandwidth: 456 GBps Memory Speed: 19 Gbps	Dimensions	268 (L) x 113 (W) x 40 (H) mm	
		Graphics Clock: 2740 MHz	Specifications may vary depending on region		



Intel® Arc™ B-Series Graphics

Cooling



2 x FrostBlade



DirectX 12 Ultimate



1 x HDMI 2.1

OPEN GL

OpenGL 4.6

Output



3 x DisplayPort™ 2.1

Xe2

20 Cores



Digital Max Resolution: 7680 x 4320
Simultaneous Display: 4

Interface

Bus Interface: PCIe 4.0 x 8
PCIe Power: 8-pin

Minimum PSU Recommendation

600 W
Total Board Power: 205W



Memory Size: 12 GB GDDR6
Memory Bandwidth: 456 GBps
Memory Speed: 19 Gbps

Dimensions

268 (L) x 113 (W) x 40 (H) mm



Graphics Clock: 2740 MHz

Specifications may vary depending on region

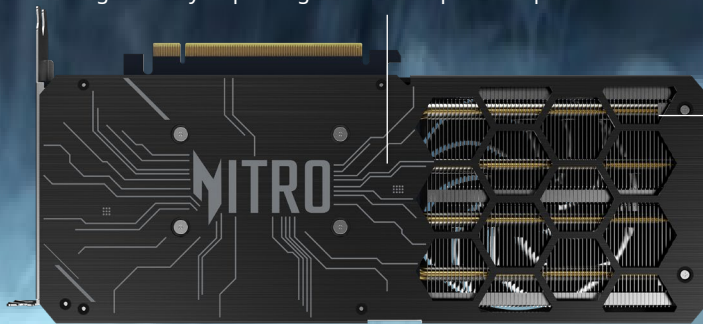
FROSTBLADE

The Nitro FrostBlade ringed fans with arc-shaped blades are crafted to enhance airflow and increase air pressure, efficiently dissipating heat generated by the GPU. Supported by a dual-ball bearing system and lubricating oil, these fans are engineered to reduce noise, withstand elevated temperatures, and minimize friction and wear on the fan bearings.

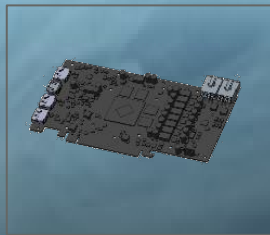
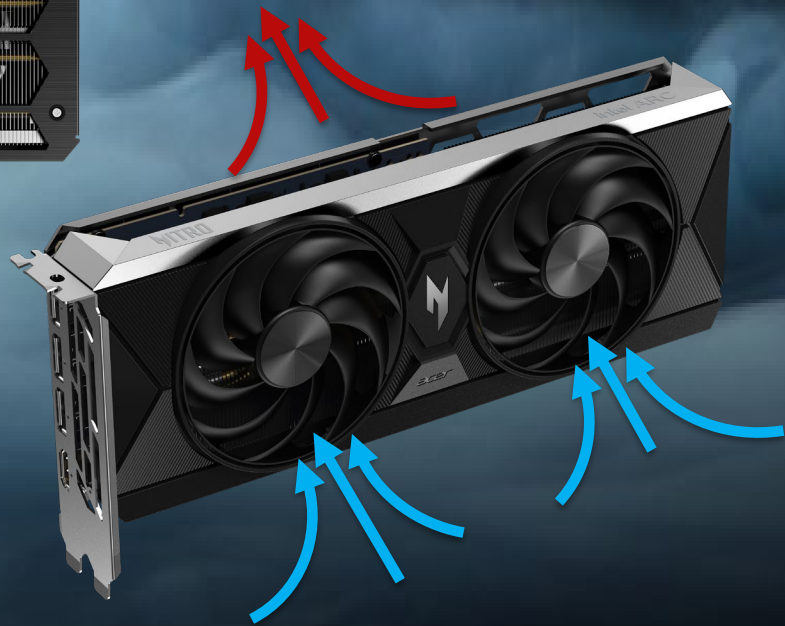
OPTIMAL COOLING & DURABILITY

The graphics card is robustly reinforced with an aluminum backplate and a metal anti-bending strip inside, significantly improving its heat dissipation capabilities. Three heat dissipating vents ensure unobstructed heat dissipation. The reinforced copper base efficiently absorbs heat from the GPU, swiftly dissipating it through oxygen-free water pipes filled with ultra-pure water. The capacitors on PCB board are durable, boasting a lifespan 2.5 times longer than that of regular capacitors.

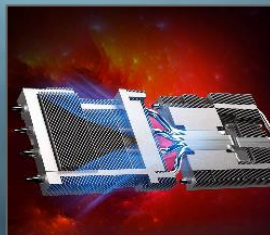
The card is robustly reinforced with an aluminum backplate and a metal anti-bending strip inside, significantly improving its heat dissipation capabilities.



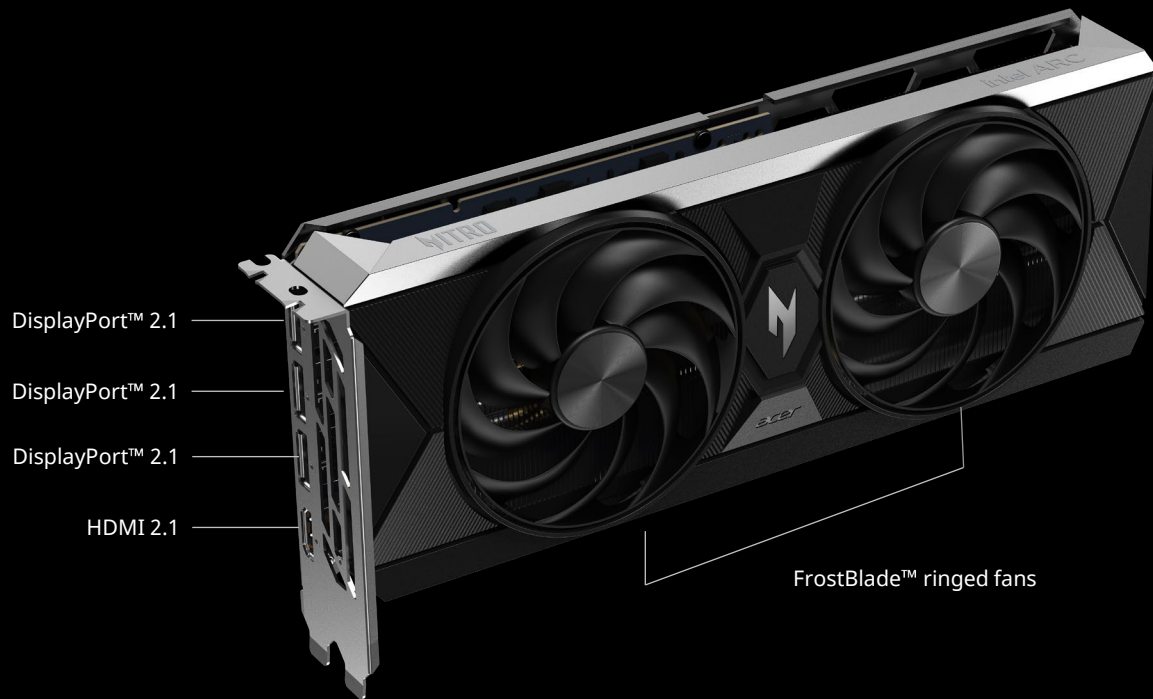
Larger Vent design for improved heat dissipation



The capacitors on PCB board are durable, boasting a lifespan 2.5 times longer than that of regular capacitors.



Tough oxygen free copper thermal pipes filled with ultra-pure water absorb heat from the GPU efficiently.



	Top Cover	Bottom Cover
Color	Black	Black
Material	Plastic	Aluminum
Finish	Texture	Sandblast



Introducing the Intel® Arc™ B-Series Graphics Card: A modern graphics card, engineered by Intel, packed with tech that delivers exceptional gaming, versatile creation, and accessible AI experiences.



Xe2 Microarchitecture

Next-generation Xe2 Microarchitecture provides up to 50% better performance per core for immersive gaming, fast content creation, and exploring cutting-edge AI applications

	B570	B580
Xe2-core	18	20
Graphics Clock (GHz)	2500 MHz	2670MHz
Memory	10GB GDDR6	12GB GDDR6

B READY TO PLAY

Intel® Arc™ B-Series comes equipped with the tech you need to enjoy the latest games with high performance and high-quality visuals, at the prices you deserve.

AI Upscaling

Get higher framerates and sharp image quality with Intel® Xe Super Sampling technology (XeSS). AI algorithms deliver clear images close to native quality and significantly higher FPS

Frame Generation

Increase smoothness and performance with Intel® Frame Generation technology (XeFG). AI-generated frames are interlaced between existing graphics to significantly increase the number of frames per second (FPS) for added fluidity and performance.

Latency Reduction

Reduce gaming latency with Intel® Xe Low Latency technology (XeLL). Advanced algorithms predict an optimal path from user inputs to screen frame output and removes the lag between your keyboard and mouse inputs to what happens on screen.

Ray Tracing

Experience immersive realism in gaming with real-time lighting, shadows, and reflections, delivered by ray tracing capabilities built into every Xe²-based GPU. Play with high framerates and high visual fidelity enabled by optimized Ray Tracing Units.



Game ready, feature packed.

Intel® Arc™ B Series Graphics



ASSASSIN'S
CREED
SHADOWS



B READY TO CREATE

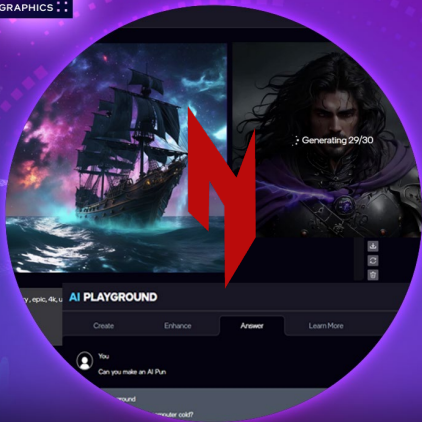
A versatile Creator toolkit is at your fingertips with Intel® Arc™ B Series. Create, edit, and upload content quickly with a wide range of support for the most popular media formats.

Media Support

The Xe Media Engine offers robust codec support, allowing for seamless video editing and exporting across most popular formats without compatibility concerns. With support for next-gen, royalty-free AV1 support, you'll also be ready to create or consume high quality AV1 content, at new levels of performance and efficiency.

Dual Media Transcode

Create content faster with two fully-featured media blocks that speed up processing time. Dual media transcoders operate in parallel, significantly speeding up editing and content creation, allowing you to spend more time creating and less time waiting.



B READY TO GENERATE

Explore the latest AI experiences right on your PC with AI playground, an app that does everything from text to image generation, to AI chatbots.

AI Playground

Free, simple to install, and easy to use. AI Playground is an all-in-one AI PC app that puts image creation, editing, and AI-powered answers at the fingertips of anyone with an Intel Arc GPU. Experiment beyond the default presets, with the flexibility to swap in AI models that you prefer

AI Engines

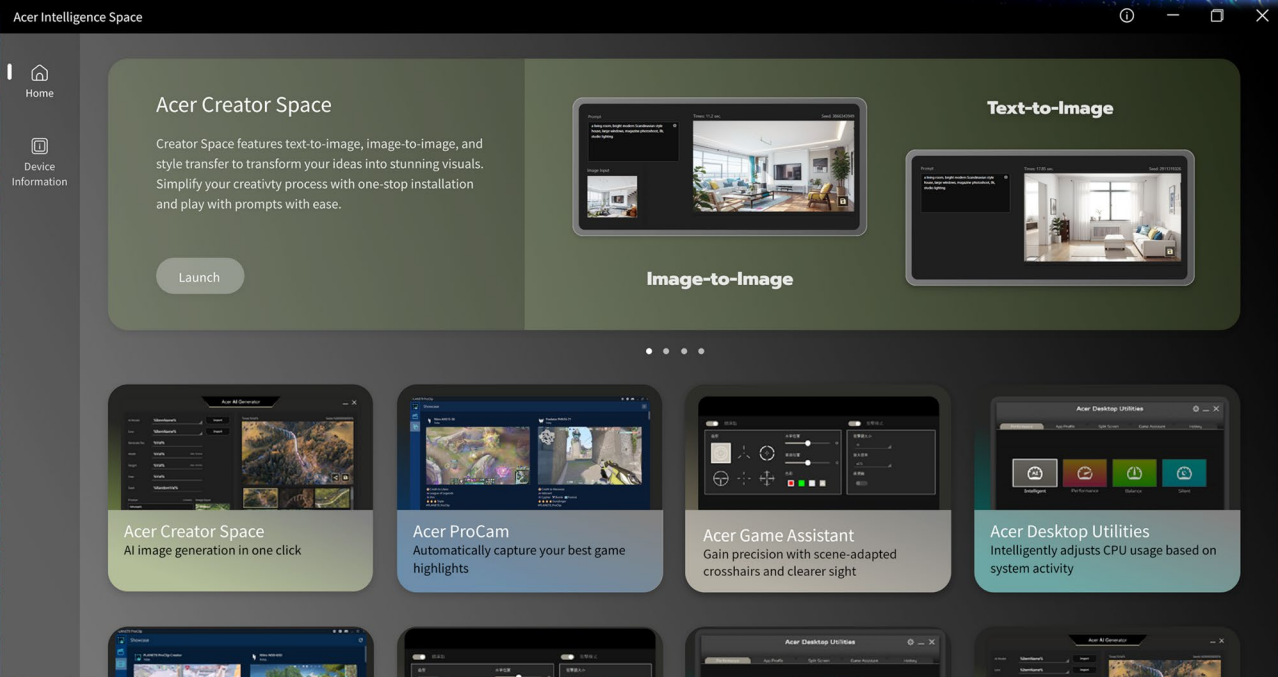
XMN AI engines are specialized AI engines at the backbone of each X^e-core, providing machine learning hardware resources to accelerate AI-enhanced gaming content creation, and media generation.

Intel Graphics Software

Stay up to date with the latest drivers, personalize your gaming experience, stream content with all-in-one companion graphics app.

Acer Intelligence Space

Your central hub for intelligent device features, Acer Intelligence Space detects your system hardware and recommends compatible AI applications, helping you optimize performance, enhance your gaming experiences, and discover new tools effortlessly.



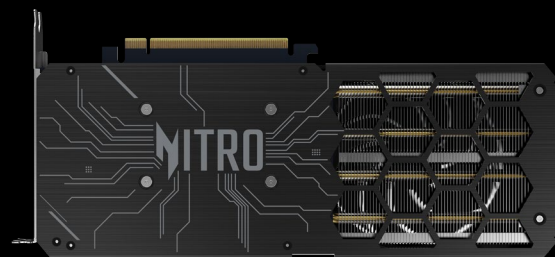
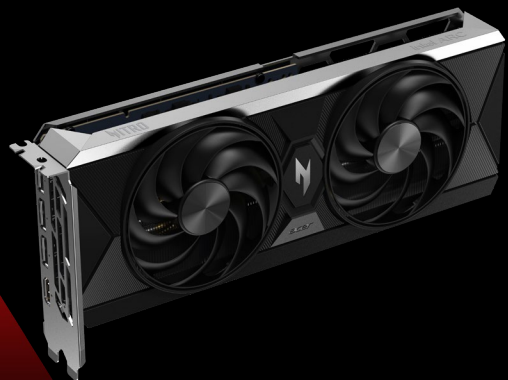
Acer Game Assistance

Step into a new level of performance with a Game Scene adaptive Aim system



Capture in-game highlights automatically

Acer ProCam automatically recognizes gameplay highlights and records those moments.



THE BEST IS YET TO COME

DISCLAIMER

- This product is not designed for cryptocurrency mining uses. Damages to your product arising from cryptocurrency mining or related activities are excluded from your product's warranty.
- Intel® technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No product or component can be absolutely secure.
- Intel technologies may require enabled hardware, software or service activation.
- © Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.
- Performance varies by use, configuration and other factors. Learn more at www.intel.com/PerformanceIndex.
- Unless otherwise stated, all performance claims are based on theoretical performance. Actual figures may vary in real-world situations.
- AI features may require software purchase, subscription or enablement by a software or platform provider, or may have specific configuration or compatibility requirements.
- Specifications may vary depending on model and/or region. All models are subject to availability.
- Actual product appearance may differ from images shown. Acer endeavors to present the most accurate and comprehensive information at the time of publication, we reserve the right to make changes without prior notification.
- Software versions are subject to change without prior notice.