Built to Scale.
Engineered for AI.

intel ARC PRO B70 GPU

For Advanced AI & High-End Workstations

Intel® Arc™ Pro B70 enables faster execution of advanced AI models, supports scalable multi-GPU deployments, and delivers the reliability of workstation-grade software and certifications, ideal for users pushing the limits of AI, rendering, and high-end creative applications.

- 32 GB memory runs large AI models with higher precision & accuracy
- 256 XMX AI Engines (Intel® Xe Matrix eXtensions)
- X^e2 architecture for fast content creation & AI applications
- Scalable multiple-GPU LLM Linux support
- XMX AI Engines for AI-enhanced gaming, content creation & media
- Ray tracing hardware acceleration for fast, photo-realistic renders
- Pro drivers with ISV software certifications
- Windows & Linux OS support
- Xe Media Engine - Comprehensive content creation toolkit

Available as Intel Branded Card and Partner Branded Card

intel.com/ArcPro

intel ARC GRAPHICS

Powering the Next Wave of AI

Powerful Local Inferencing. Large Model Ready.

With 32 GB of graphics memory, unlock the ability to run larger parameter AI models with higher precision, improving accuracy and versatility without compromising performance. Larger memory also allows content creators to tackle projects with greater detail and complexity.

Scalable Performance. Multi-GPU Ready.

Scale up with Linux multi-GPU compatibility, supporting OneAPI for faster AI processing with greater throughput and capacity for massive models.

Workstation Software. Pro & Consumer Drivers.

Versatile performance across AI, design, architectural software and more with a robust, validated workstation pro driver. Switch gears and enable day-0 game drivers and gameplay enhancing software features such as X^{e}SS by installing consumer drivers

This GPU is Optimized to Offer Great Performance in Tasks Like:

- Powerful Local Inferencing
- Scalable Multi-GPU Deployments
- Advanced Software Development

If you require a GPU for other varied needs, explore the Intel® Arc™ Pro B65 GPU, B60, or B50 GPU available in various partner board form factors.

Key Features

32GB VRAM High-Speed Memory

367 AI TOPS Int8 Dense

608 GB/s Memory Bandwidth

50% better performance per core X^e2 Architecture

256 XMX AI Engines Backbone of X^e-cores

intel ARC B70 GPU PRO

Specifications

Category	Specification	Value
PERFORMANCE	GPU Peak TOPS (Int8)[1]	367 TOPS
	X^e-cores	32 Xe2-HPG
	XMX Engines	256
	Ray Tracing (RT) Units	32
	PCIe® Support	Gen 5 x16 Native
MEMORY	Dedicated Memory	32 GB VRAM
	Bandwidth	608 GB/s
	Interface	256-bit
DISPLAY	Outputs	Varies by Partner
	Display and Resolution Support	4x DisplayPort 2.1
	API Support	DirectX® 12 Ultimate, oneAPI, OpenCL™ 3.0, OpenGL® 4.6, OpenVINO™, Vulkan® 1.3
HARDWARE ACCELERATION	XMX AI Engines	Yes
	Ray Tracing	Yes
	Full Encode and Decode	AV1, HEVC, H.264, VP9
POWER	Consumption[2]	160W-290W, 230W for Intel Branded Card
	Connector	Varies by Partner
GENERAL	Form Factor	Varies by Partner
	Dimensions	Varies by Partner
	OS Support	Microsoft Windows® 11 and 10 Linux® Ubuntu
	Warranty	Varies by Partner

Specifications may vary by provider. Check with board partner for further details.

[1]GPU Peak TOPS (trillions of operations per second) represents the peak throughput when running XMX workloads with INT8 datatype and dense models. Performance may vary based on configuration.
[2]Intel reference specification. Partner designs may vary.