# Ready for Modern, Demanding AI Workloads

intel ARC PRO B65 GPU

For Large AI Models & Pro Applications

Designed to run larger, more advanced AI models with higher precision, **Intel® Arc™ Pro B65** supports multi-display setups, workstation-certified drivers, and Linux-based multi-GPU configurations, making it a strong foundation for modern AI, design, and content creation workflows.

- 32 GB Memory runs large AI models with higher precision & accuracy
- 160 XMX AI Engines (Intel® Xe Matrix eXtensions)
- X^{e}2 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
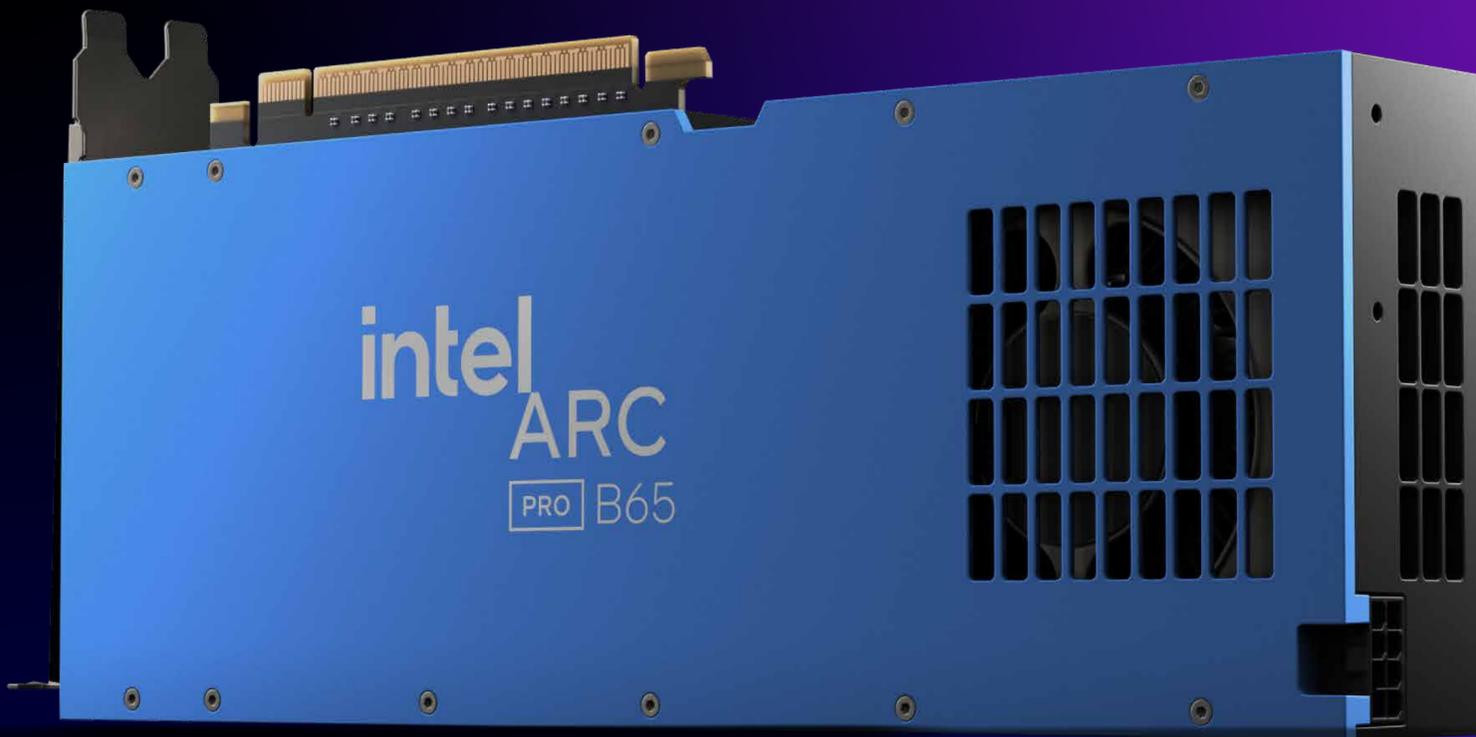
Available as Partner Branded Card

intel.com/ArcPro

intel ARC GRAPHICS

Powerful, Precise, and Scalable

Run Bigger Models. Achieve Greater Precision.

Equipped with 32 GB of graphics memory, support advanced AI workloads locally with improved numerical accuracy and reliability. The added memory capacity enables richer visuals and more intricate creative workflows without sacrificing speed.

Built to Scale. Engineered for Multi-GPU.

Leverage Linux multi-GPU compatibility and OneAPI integration to speed AI processing, unlocking greater throughput and support for large, complex models.

Certified Workstation. Pro-Grade Stability.

Run demanding AI and creative software with workstation-certified drivers built for reliability. Toggle to consumer drivers for immediate game support and performance-enhancing technologies such as X^eSS.

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

- Higher-Precision Inferencing
- Multi-GPU AI Deployments
- Professional Software Development

Key Features

32GB VRAM High-Speed Memory

197 AI TOPS Int8 Dense

608 GB/s Memory Bandwidth

50% better performance per core X^{e}2 Architecture

160 XMX AI Engines Backbone of X^e-cores

If you require a GPU for other varied needs, explore the Intel® Arc™ Pro B70 GPU B60, or B50 GPU available in various partner board form factors.

intel ARC B65 GPU
PRO

Specifications

Category	Spec	Value
PERFORMANCE	GPU Peak TOPS (Int8)[1]	197 TOPS
	X^e-cores	20 X^{e}2-HPG
	XMX Engines	160
	Ray Tracing (RT) Units	20
	PCIe® Support	Gen 5 x16 Native
MEMORY	Dedicated Memory	32GB of GDDR6
	Bandwidth	608 GB/s
	Interface	192-bit
DISPLAY	Outputs	Varies by Partner
	Display and Resolution Support	4x DisplayPort 2.1
HARDWARE ACCELERATION	XMX AI Engines	Yes
	Ray Tracing	Yes
	Full Encode and Decode	AV1, HEVC, H.264, VP9
POWER	Consumption[2]	200W Total Board Power
	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.