

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)
- Xe2 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



Render for illustrative purposes only. Intel version not available for purchase.

Available as Partner Branded Card

intel.com/ArcPro



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 XeSS.

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
Xe2 Architecture

160 XMX AI Engines
Backbone of Xe-cores

intel ARC B65 GPU

PRO

Specifications

PERFORMANCE

GPU Peak TOPS (Int8) ¹	197 TOPS
Xe-cores	20 Xe2-HPG
XMX Engines	160
Ray Tracing (RT) Units	20

MEMORY

PCIe® Support	Gen 5 x16 Native
Dedicated Memory	32GB of GDDR6
Bandwidth	608 GB/s
Interface	256-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.

¹GPU 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.
²Intel reference specification. Partner designs may vary.

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.

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