



# Intel Arc Pro B50 16GB vs Intel Arc Pro B65 32GB

Side by side datacenter GPU specifications from the Flopper.io database.

## OVERVIEW

|                  | Intel Arc Pro B50 16GB | Intel Arc Pro B65 32GB |
|------------------|------------------------|------------------------|
| FP32 TFLOPS      | 10.7                   | 12.3                   |
| VRAM             | 16 GB                  | 32 GB                  |
| Memory Bandwidth | 224 GB/s               | 608 GB/s               |
| TDP              | 70 W                   | 200 W                  |

## PERFORMANCE BY PRECISION

| Precision | Intel Arc Pro B50 16GB peak TFLOPS (dense) | Intel Arc Pro B65 32GB peak TFLOPS (dense) |
|-----------|--------------------------------------------|--------------------------------------------|
| FP64      | —                                          | —                                          |
| FP32      | 10.7                                       | 12.3                                       |
| TF32      | —                                          | —                                          |
| BF16      | —                                          | —                                          |
| FP16      | —                                          | —                                          |
| FP8       | —                                          | —                                          |
| FP6       | —                                          | —                                          |
| FP4       | —                                          | —                                          |
| INT8      | 170.0                                      | 197.0                                      |

## SPECIFICATIONS

|                 | Intel Arc Pro B50 16GB | Intel Arc Pro B65 32GB |
|-----------------|------------------------|------------------------|
| Architecture    | Battlemage             | Battlemage             |
| Process Node    | 5nm                    | 5nm                    |
| Launch Year     | 2025                   | 2026                   |
| Form Factor     | PCIe                   | PCIe                   |
| Memory Type     | GDDR6                  | GDDR6                  |
| Interface Width | 128-bit                | 256-bit                |
| Interconnect    | —                      | —                      |

|                 | Intel Arc Pro B50 16GB | Intel Arc Pro B65 32GB |
|-----------------|------------------------|------------------------|
| TDP             | 70 W                   | 200 W                  |
| FP32 Efficiency | 0.15 TFLOPS/W          | 0.06 TFLOPS/W          |