



# Intel Arc Pro A40 6GB vs Intel Arc A750 8GB

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

## OVERVIEW

|                  | Intel Arc Pro A40 6GB | Intel Arc A750 8GB |
|------------------|-----------------------|--------------------|
| FP32 TFLOPS      | 5.0                   | —                  |
| VRAM             | 6 GB                  | 8 GB               |
| Memory Bandwidth | 192 GB/s              | 512 GB/s           |
| TDP              | 50 W                  | 225 W              |

## PERFORMANCE BY PRECISION

| Precision | Intel Arc Pro A40 6GB peak TFLOPS (dense) | Intel Arc A750 8GB peak TFLOPS (dense) |
|-----------|-------------------------------------------|----------------------------------------|
| FP64      | —                                         | —                                      |
| FP32      | 5.0                                       | —                                      |
| TF32      | —                                         | —                                      |
| BF16      | —                                         | —                                      |
| FP16      | —                                         | —                                      |
| FP8       | —                                         | —                                      |
| FP6       | —                                         | —                                      |
| FP4       | —                                         | —                                      |
| INT8      | 69.0                                      | 229.0                                  |

## SPECIFICATIONS

|                 | Intel Arc Pro A40 6GB | Intel Arc A750 8GB |
|-----------------|-----------------------|--------------------|
| Architecture    | Alchemist             | Alchemist          |
| Process Node    | 6nm                   | 6nm                |
| Launch Year     | 2022                  | 2022               |
| Form Factor     | PCIe                  | PCIe               |
| Memory Type     | GDDR6                 | GDDR6              |
| Interface Width | 96-bit                | 256-bit            |
| Interconnect    | —                     | —                  |

|                 | Intel Arc Pro A40 6GB | Intel Arc A750 8GB |
|-----------------|-----------------------|--------------------|
| TDP             | 50 W                  | 225 W              |
| FP32 Efficiency | 0.10 TFLOPS/W         | —                  |