SPARKLE® Part Number: SBP50LPS-16G



SPARKLE Intel® Arc™ Pro B50 Low Profile Passive 1S, 16GB GDDR6, Fanless Design, Metal Backplate, SBP50LPS-16G

The Intel® Arc™ Pro B50 GPU delivers 16 GB of memory, up to 224 GB/s bandwidth, and 128 XMX AI engines—ideal for demanding professional workloads. With Linux multi-GPU / LLM support, it scales AI performance for faster, higher-quality results. Certified drivers ensure reliability across AI, design, engineering, and media tasks, while the Xe media engine supports fast, efficient AV1 high-res video processing—making it a powerful, flexible tool for modern creators. The Passive model features a fanless design purpose-built for AI workloads and multi-GPU server environments, optimizing thermal performance while maintaining silent operation.

SPECFICATIONS

- Graphics Clock: 2600 MHz
- Xe-Cores: 16
- Ray Tracing Units: 16
- Intel® XMX Engines: 128
- GPU Peak Tops (Int8): 170
- Memory Size: 16GB GDDR6
- Graphics Memory Interface: 128-bit
- Graphics Memory Bandwidth: 224 GB/s
- Graphics Memory Speed: 14 Gbps
- Bus Standard: PCI Express 5.0 x16
- TBP：72W (w/out external Power Connector)
- ECCN: 4A994.L
- EAN: TBC

KEY FEATURES

- Passive Design
- OpenGL 4.6
- OpenCL 3.0
- Adaptive Sync
- AV1 Encode / Decode
- VP9 Bitstream & Decoding

RESOLUTION & REFRESH

- 4x mini DisplayPort 2.1 (Max): 7680 x 4320@60Hz

DIMENSIONS

- Dimension: 168 x 69.5 x 18.5mm
- Weight: 404g
- Width: 1-Slot