



SPARKLE Intel® Arc™ B580 TWIN, 12GB GDDR6, Torn Cooling 2.0, AXL Fan, Metal Backplate , SB580S-12G

SPARKLE Intel® Arc™ B580 TWIN is designed for high-resolution gaming, featuring Intel® XeSS AI upscaling, ray tracing, and 8K media support. It also accelerates AI-powered creation and editing through Intel® AI Playground.

The TWIN Series is equipped with Torn Cooling 2.0, featuring 2 customized AXL fans, a 2.2-slot design, and a full metal backplate.

SPECIFICATIONS

- Graphics Clock: 2670 MHz
- Xe Cores: 20
- Ray Tracing Units: 20
- Intel® XMX Engines: 160
- GPU Peak TOPS (Int8): 233
- Dedicated High-Speed Memory: 12GB GDDR6
- Graphics Memory Interface: 192-bit
- Graphics Memory Bandwidth: 456 GB/s
- Maximum Resolution: Up to 8K / 120Hz HDR with DSC
- PCI Express Configuration: PCI Express 4.0 x8
- Typical Board Power: 190W
- EAN Code: 4711342291167

KEY FEATURES

- Full Metal Backplate
- Ray Tracing
- Variable Rate Shading (VRS)
- DirectX 12 Ultimate
- Vulkan 1.3
- OpenGL 4.6
- OpenCL 3.0
- Adaptive Sync
- AV1 Encode / Decode
- VP9 Bitstream & Decode
- Intel® Deep Link Hyper Compute
- Intel® Deep Link Hyper Encode
- Intel® Deep Link Stream Assist

RESOLUTION & REFRESH

- HDMI 2.1 (Max): 7680 x 4320 @120Hz
- 3x DisplayPort 2.1 (Max): 7680 x 4320@60Hz

REQUIREMENTS

- 1 x 8-pin PCIe power connector, 600W power supply or higher
- Windows 11, Windows 10
- PCI-Express® compliant MB with one x16 PCIe slot
- 8GB of system memory minimum, 16GB recommended
- 10th Gen Intel® Core™ processor / AMD Ryzen™ 3000 processor or higher, Motherboard must support Resizable BAR / Smart Access Memory

DIMENSIONS

- Dimension: 245 x 115 x 43mm
- Weight: 815 g
- Width: 2.2-Slot