

SPARKLE Intel Arc B580 TITAN OC(SB580T-12GOC)

SPARKLE Intel Arc B580 TITAN OC - Graphics card - Arc B580 - 12 GB GDDR6 - PCIe 4.0 x8 - 3 x DisplayPort, HDMI



The SPARKLE Intel Arc B580 TITAN OC provides performance and versatility for gamers and creators alike. Featuring graphics capabilities, this card supports a maximum external resolution of 7680 x 4320 at 120 Hz through its HDMI and DisplayPort interfaces. With 12 GB of GDDR6 SDRAM and a 192-bit bus width, bandwidth reaches 456 GBps, facilitating smooth gameplay.

Key Selling Points

- Equipped with a powerful Intel Arc B580 graphics processor
- High performance with up to 233 TOPS NPU performance
- Support for multiple APIs including DirectX 12 Ultimate and Vulkan 1.3
- Includes cooling features for optimal thermal management
- VGA holder included for added convenience

Product Features

- High-performance graphics processing**  
This graphics card is powered by the Intel Arc B580 processor, which supports performance metrics with the ability to execute up to 233 TOPS, making it ideal for demanding applications.
- Enhanced cooling technology**  
Equipped with TORN cooling 2.0 and three AXL fans, this graphics card ensures heat dissipation, maintaining performance during intense gaming sessions.
- Impressive memory capability**  
With 12 GB GDDR6 SDRAM, a 192-bit bus, and a bandwidth of 456 GBps, this card efficiently handles large data transfers, enhancing rendering speeds and graphics performance.
- Support for high-resolution displays**  
Achieve visuals with support for resolutions up to 7680 x 4320, enabling a captivating gaming and multimedia experience on compatible displays.
- Versatile connectivity options**  
This graphics card features three DisplayPort and one HDMI output, providing flexibility to connect multiple displays while ensuring compatibility with various video configurations.

Main Specifications

Product Description	SPARKLE Intel Arc B580 TITAN OC - graphics card - Arc B580 - 12 GB
Device Type	Graphics card
Bus Type	PCI Express 4.0 x8
Graphics Engine	Intel Arc B580 - up to 233 TOPS
Memory	12 GB GDDR6
Boost Clock	2740 MHz
Memory Interface	192-bit
Max Resolution	7680 x 4320
Max Resolution Details	DisplayPort: 7680 x 4320 at 60 Hz/ HDMI: 7680 x 4320 at 120 Hz
Interfaces Details	HDMI   3 x DisplayPort
API Supported	DirectX 12 Ultimate, Vulkan 1.3, OpenGL 4.6, OpenCL 3.0
Dimensions (WxDxH)	4.4 cm x 31.5 cm x 11.7 cm

# Extended Specification

## General

Device Type	Graphics card
Bus Type	PCI Express 4.0 x8
Graphics Engine	Intel Arc B580
Boost Clock	2740 MHz
Max Resolution	7680 x 4320 at 120 Hz
Max Resolution Details	DisplayPort: 7680 x 4320 at 60 Hz/ HDMI: 7680 x 4320 at 120 Hz
Interfaces Details	HDMI   3 x DisplayPort
API Supported	DirectX 12 Ultimate, Vulkan 1.3, OpenGL 4.6, OpenCL 3.0
Features	Blue breathing light, 20 Xe Cores, 20 Ray Tracing Units, 160 Intel XMX Engines, TORN cooling 2.0, metal backplate, Ray Tracing, variable rate shading (VRS), Adaptive-Sync, AV1 encode support, AV1 decode support, VP9 support, Intel Deep Link Hyper Compute, Intel Deep Link Hyper Encode, Intel Deep Link Stream Assist, 3 x AXL fans, 2.2-slot Fan Cooler

## Memory

Size	12 GB
Technology	GDDR6 SDRAM
Bus Width	192-bit
Bandwidth	456 GBps

## Miscellaneous

Power Consumption Operational	200 Watt
Included Accessories	VGA Holder
Width	4.4 cm
Depth	31.5 cm
Height	11.7 cm
Weight	954 g

## System Requirements

OS Required	Windows 11, Windows 10
Required Power Supply	600 W
Additional Requirements	8 pin PCI Express power connector

## Performance

NPU Performance Up To (TOPS)	233 TOPS
AI Datatype Support on NPU	INT8

# What's in the box

SPARKLE Intel Arc B580 TITAN OC  
VGA Holder

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