

Overview

HP Dual TBT4 PCIe x4 Low Profile Card



Model

HP Dual TBT4 PCIe x4 Low Profile Card

340L1AA

Introduction

This Thunderbolt™ 4 card enables fast data transfer from external peripherals such as external NVMe drives, high end network modules and driving high resolution displays. It features two Thunderbolt™ 4 output ports and two mini-DisplayPort™ input ports.

Thunderbolt™ 4 technology is a high-speed, multi-protocol I/O that provides performance over USB-C® I/O technologies with up to 40Gbps transfer speeds*. It provides flexibility and simplicity by supporting data (PCIe and USB), video (DisplayPort™), and power (up to 15W per port) over a single cable connection that can daisy-chain up to five devices.

The HP Dual TBT4 PCIe x4 Low Profile Card is compatible with Thunderbolt™ 4 devices and backward compatible with your Thunderbolt™ 3, USB4, USB3 and USB2 devices.

[*Maximum speed requires video \(DisplayPort™\) and data \(PCIe and/or USB\) aggregation.](#)

Performance

The HP Dual TBT4 PCIe x4 Low Profile Card performs with data rates of up to 40 Gb/s*.

[*Maximum speed requires video \(DisplayPort™\) and data \(PCIe and/or USB\) aggregation.](#)

NOTE: Actual performance will be lower based on protocol overhead and the peripherals attached.

Overview

Key Benefits

Data transfer between digital electronic devices that support the Thunderbolt™ 4 standards.

- Up to 40Gbps*, dual channel data transfer
- Data & Video on single cable with support for USB, PCI Express and DisplayPort™
- Daisy chain up to five devices
- Compatible with existing DisplayPort™ devices
- Low latency with highly accurate time synchronization
- Uses native PCIe, USB, and DisplayPort™ protocol software drivers
- Up to 15W of power over USB-C® for bus-powered devices

*Maximum speed requires DisplayPort™ and PCIe aggregation.

Compatibility

The HP Dual TBT4 PCIe x4 Low Profile Card is compatible with the HP Z4 G5, Z6 G5, Z8 G5, and Z8 Fury G5 Workstations.

NOTE: Not all models are available in all regions.

The HP Dual TBT4 PCIe x4 Low Profile Card requires a DisplayPort™ input to enable downstream DisplayPort™ devices on the Thunderbolt™ daisy chain.

The HP Dual TBT4 PCIe x4 Low Profile Card is offered as a Certified System Solution with the compatible workstation platforms and select graphics cards only. Additional graphics cards may perform well, but may have not been tested to the full standards to confirm a Certified System Solution.

The HP Thunderbolt™ 4 PCIe Card has specific PCIe slot requirements for correct operation.

Z8 G5 Fury: slot #8

Z8 G5: slot #7

Z6/Z4 G5: slot #3

Service and Support

The HP Dual TBT4 PCIe x4 Low Profile Card has a one-year Limited Warranty or the remainder of the warranty of the HP supported product in which it is installed.

Technical Specifications

Data Transfer Rate	Supports up to 40 Gb/s (40,000 Mb/s)*
Devices Supported	Thunderbolt™ 3 and Thunderbolt™ 4 certified for Windows devices
Bus Type	PCIe card, full height PCIe slots
Ports	Two Thunderbolt™ 4 external USB type-C® output connectors (Rear) Two mini-DisplayPort™ input connectors (Rear)
Internal Connectors	One 2x6-Pin header connector
System Requirements	Certified HP Workstation platform (HP Z4 G5, Z6 G5, Z8 G5, or Z8 Fury G5 Workstation) Specific PCIe slot requirements for correct operation. Z8 G5 Fury: slot #8 Z8 G5: slot #7 Z6/Z4 G5: slot #3
Compliances	CB Certification (International Safety) NRTL UL Certification (North America Safety) FCC Class B (USA) CE (European Union) ICES-003 Class B (Canada) BSMI (Taiwan) VCCI (Japan) KCC (Korea) CTICK (Australia/New Zealand) UKCA (UK)
Operating Systems Supported	Genuine Windows 11 Professional 64-bit. Genuine Windows 10 Professional 64-bit.
Kit Contents	HP Dual TBT4 PCIe x4 Low Profile Card, 2- mini-DisplayPort™ cables, one GPIO (General-Purpose Input/Output) cable, product notices, install guide, warranty card
Dimensions (unpackaged)	121mm x 25.3mm x 144 mm
Weight (unpackaged)	97.0 grams

*Maximum speed requires video (DisplayPort™) and data (PCIe and/or USB) aggregation.

Summary of Changes

Date of change:	Version History:		Description of change:
	From v1 to v2		

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