



## SALES GUIDE

### CONTENTS & NAVIGATION

2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

4-7

HP Desktop Workstations discrete graphics spec summary

8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

9

HP Mobile Workstations integrated graphics spec summary

10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

11

Graphics Accessories

12

Additional resources



# HP Z WORKSTATIONS GRAPHICS CARD OPTIONS

## QUICK REFERENCE GUIDE

## PROFESSIONAL GRAPHICS SOLUTIONS FOR HP Z WORKSTATIONS

HP is proud to exclusively offer professional graphics choices on all of our HP Workstations—from the HP ZBook Mobile Workstation family to our ultimate workstation, the HP Z8.

HP's professional graphics line-up is perfect for users who are running business critical applications based on OpenGL and DirectX® who require stability, reliability, great performance, additional support, and application-specific features and optimization for things like complex design modeling, dataset manipulation, visual effects and visualization.

1. HP recommends Windows 10.



SALES GUIDE

## CONTENTS & NAVIGATION

### 2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

### 4-7

HP Desktop Workstations discrete graphics spec summary

### 8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

### 9

HP Mobile Workstations integrated graphics spec summary

### 10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

### 11

Graphics Accessories

### 12

Additional resources

## HP DESKTOP WORKSTATIONS GRAPHICS SUPPORT MATRIX<sup>1</sup>

Platform		HP Z2 Mini G4	HP Z2 SFF G4	HP Z2 Tower G4	HP Z4 G4	HP Z6 G4	HP Z8 G4
<b>Graphics</b>	<b>Category</b>						
Intel® UHD Graphics 630	Office 2D	•	•	•			
Intel® UHD Graphics P630	Entry 3D	•	•	•			
AMD FirePro™ W2100	Entry 3D				• •	• •	• •
AMD Radeon™ Pro WX 3100	Low-end 3D		•	•	• •	• •	• •
AMD Radeon™ Pro WX 4100	Mid-range 3D			•	• •	• •	• • • •
AMD Radeon™ Pro WX 4150	Mid-range 3D	• **					
AMD Radeon™ Pro WX 7100	High-end 3D			•	• •	• •	• • •
AMD Radeon™ Pro WX 9100	Ultra 3D				•	•	•
NVIDIA® Quadro® P400	Sub-entry 3D		•	•	• •	• •	• •
NVIDIA® Quadro® P600	Entry 3D	• ***					
NVIDIA® Quadro® P620	Entry 3D		•	•	• •	• •	• •
NVIDIA® Quadro® P1000	Mid-range 3D	• ***	•	•	• •	• • •	• • • •
NVIDIA® Quadro® P2000	Mid-range 3D			•	• •	• •	• • • •
NVIDIA® Quadro® P4000	High-end 3D			•	• •	• •	• • •
NVIDIA® Quadro® P5000	Ultra 3D			•	•	• •	• • •
NVIDIA® Quadro® P6000	Ultra 3D				•	•	• • •
NVIDIA® Quadro® GP100	Ultra HD				•	•	• • •
NVIDIA® Quadro® GV100	Ultra 3D				• •		• • •
NVIDIA® Quadro® RTX 5000	Ultra 3D				• • *	• *	• *
NVIDIA® Quadro® RTX 6000	Ultra 3D				• • *	• *	• *

#### Key Legend:

- single
- • dual
- • • triple
- • • • quad

#### Note:

- \*Initially offered via AMO and Linux
- \*\* MXM module (AMD Radeon™ Pro WX 4150 4 GB)
- \*\*\* MXM module (NVIDIA® Quadro® P600 4 GB, NVIDIA® Quadro® P1000 4 GB)



TECHNICAL WHITE PAPER

## CONTENTS & NAVIGATION

### 2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

### 4-7

HP Desktop Workstations discrete graphics spec summary

### 8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

### 9

HP Mobile Workstations integrated graphics spec summary

### 10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

### 11

Graphics Accessories

### 12

Additional resources

## HP DESKTOP WORKSTATIONS INTEGRATED GRAPHICS SPEC SUMMARY

Graphics Module	Intel® UHD Graphics 630	Intel® UHD Graphics P630
Graphics Category	Office 2D	Entry 3D
Memory (shared with system)	up to 64 GB	up to 1.7 GB
Execution Units	24	24
DirectX Support <sup>2</sup>	12	12
OpenGL Support	4.5	4.5
Max Resolution (DP) <sup>3</sup>	4096 x 2304 @ 60 Hz	4096 x 2304 @ 60 Hz
Max Displays	3	3
Video Outputs:		
HP Z2 Mini	-	-
HP Z2 SFF	-	-
HP Z2 Tower	-	-
ISV Certified	-	-
Other	-	-



SALES GUIDE

## CONTENTS & NAVIGATION

2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

4-7

HP Desktop Workstations discrete graphics spec summary

8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

9

HP Mobile Workstations integrated graphics spec summary

10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

11

Graphics Accessories

12

Additional resources

## HP DESKTOP WORKSTATIONS DISCRETE GRAPHICS SPEC SUMMARY

Graphics Module	NVIDIA® Quadro® P400	NVIDIA® Quadro® P600 MXM	NVIDIA® Quadro® P620	AMD Fire Pro™ W2100	AMD Radeon™ Pro WX 3100	AMD Radeon™ Pro WX 4150 MXM
Graphics Category	Sub-entry 3D	Entry 3D	Entry 3D	Entry 3D	Entry 3D	Entry 3D
Memory (dedicated memory)	2 GB GDDR5	4 GB GDDR5	2 GB GDDR5	2 GB DDR3	4 GB GDDR5	4 GB GDDR5
Memory Bandwidth	Up to 32 GB/s	-	Up to 64 GB/s	Up to 14.4 GB/s	Up to 96 GB/s	-
Cores	256	384	512	320	512	896
Power	30 W	25 W	40 W	26 W	35 W	35 W
Form Factor	single slot, Half Height	MXM	single slot, Half Height	single slot, Half Height	single slot, Half Height	MXM
DirectX Support <sup>2</sup>	12/12	12	12/12	11.2/12	12/12	12
OpenGL Support	4.5	4.5	4.5	4.4	4.5	4.5
Max Resolution (DP) <sup>3</sup>	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz <sup>4</sup>	5120 x 2880 @ 60 Hz <sup>5</sup>	5120 x 2880 @ 60 Hz
Max Displays	3	4	4	2	4 or 6 with DP MST	5
Video Outputs	4x mini-DP	-	4x mini-DP	2x DP	1x DP + 2x mDP 1.4	-
Included Video Cables:						
CTO	None	-	None	None	None	-
AMO	2x mini-DP to DP	-	2x mini-DP to DP	None	None	-
ISV Certified	Yes	Yes	Yes	Yes	Yes	Yes
Other	GPU Boost 3.0, CUDA®, Mosaic™	CUDA®	GPU Boost 3.0, CUDA®, Mosaic™	OpenCL™ 2.0	AMD® Sync, OpenCL™ 2.0, Eyefinity, DirectGMA, FreeSync, HDR Ready	OpenCL™ 2.0



SALES GUIDE

## CONTENTS & NAVIGATION

2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

4-7

HP Desktop Workstations discrete graphics spec summary

8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

9

HP Mobile Workstations integrated graphics spec summary

10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

11

Graphics Accessories

12

Additional resources

## HP DESKTOP WORKSTATIONS DISCRETE GRAPHICS SPEC SUMMARY (CONTINUED)

Graphics Module	NVIDIA® Quadro® P1000	NVIDIA® Quadro® P1000 MXM	AMD Radeon™ Pro WX 4100	NVIDIA® Quadro® P2000
Graphics Category	Mid-range 3D	Mid-range 3D	Mid-range 3D	Mid-range 3D
Memory (shared with system)	4 GB GDDR5	4 GB GDDR5	4 GB GDDR5	5 GB GDDR5
Memory Bandwidth	Up to 80 GB/s	-	Up to 160 GB/s	Up to 140 GB/s
Cores	1024	640	1024	1024
Power	47 W	40 W	50 W	75 W
Form Factor	single slot, Full Height	MXM	single slot, Half Height	single slot, Full Height
DirectX Support <sup>2</sup>	12/12	12	12/12	12/12
OpenGL Support	4.5	4.5	4.5	4.5
Max Resolution (DP) <sup>3</sup>	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz <sup>5</sup>	5120 x 2880 @ 60 Hz
Max Displays	4	4	4 or 6 with DP MST	4
Video Outputs	4x mini-DP	-	4x mDP 1.4	4x DP 1.4
<b>Included Video Cables:</b>				
CTO	None	-	None	None
AMO	2x mini-DP to DP	-	4x mini-DP to DP	None
ISV Certified	Yes	Yes	Yes	Yes
Other	GPU Boost 3.0, CUDA®, Mosaic™	CUDA®	AMD® Sync, OpenCL™ 2.0, Eyefinity, DirectGMA, FreeSync, HDR Ready	GPU Boost 3.0, CUDA®, Mosaic™



SALES GUIDE

## CONTENTS & NAVIGATION

2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

4-7

HP Desktop Workstations discrete graphics spec summary

8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

9

HP Mobile Workstations integrated graphics spec summary

10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

11

Graphics Accessories

12

Additional resources

## HP DESKTOP WORKSTATIONS DISCRETE GRAPHICS SPEC SUMMARY (CONTINUED)

Graphics Module	AMD Radeon™ Pro WX 7100	NVIDIA® Quadro® P4000	NVIDIA® Quadro® P5000	NVIDIA® Quadro® RTX 5000
Graphics Category	High-end 3D	High-end 3D	High-end 3D	High-end 3D
Memory (shared with system)	8 GB GDDR5	8 GB GDDR5	16 GB GDDR5X	16GB GDDR6
Memory Bandwidth	Up to 224 GB/s	Up to 243 GB/s	Up to 288 GB/s	Up to 448 GB/s
Cores	2304	1792	2560	3072
Power	130 W	120 W	180 W	265 W
Form Factor	single slot, Full Height	single slot, Full Height	dual slot, Full Height	dual slot, Full Height
DirectX Support <sup>2</sup>	12/12	12/12	12/12	12/12
OpenGL Support	4.5	4.5	4.5	4.5
Max Resolution (DP) <sup>3</sup>	5120 x 2880 @ 60 Hz <sup>5</sup>	5120x2880 @ 60Hz	5120 x 2880 @ 60 Hz	7680x4320 @ 60 Hz
Max Displays	4 or 6 with DP MST	4	4	4
Video Outputs	4x DP 1.4	4x DP 1.4	4x DP 1.4 and DL-DVI	4x DP 1.4a + USB-C
Included Video Cables:				
CTO	None	None	None	None
AMO	None	None	None	None
ISV Certified	Yes	Yes	Yes	Yes
Other	AMD® Sync, OpenCL™ 2.0, Eyefinity, DirectGMA, FreeSync, HDR Ready, VR Enabled	Quadro® Sync II, GPUDirect, GPU Boost 3.0, SLI®, CUDA®, Mosaic™, VR Ready	Quadro® Sync II, GPUDirect, GPU Boost 3.0, SLI®, CUDA®, Mosaic™, VR Ready	Quadro® Sync II, GPUDirect, GPU Boost 3.0, NVLink/SLI®, CUDA®, Mosaic™, VR Ready



SALES GUIDE

## CONTENTS & NAVIGATION

### 2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

### 4-7

HP Desktop Workstations discrete graphics spec summary

### 8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

### 9

HP Mobile Workstations integrated graphics spec summary

### 10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

### 11

Graphics Accessories

### 12

Additional resources

## HP DESKTOP WORKSTATIONS DISCRETE GRAPHICS SPEC SUMMARY (CONTINUED)

Graphics Module	NVIDIA® Quadro® P6000	NVIDIA® Quadro® RTX 6000	NVIDIA® Quadro® GP100	NVIDIA® Quadro® GV100	AMD Radeon™ Pro WX 9100
Graphics Category	Ultra 3D	Ultra 3D	Ultra 3D	Ultra 3D	Ultra 3D
Memory (shared with system)	24 GB GDDR5X	24 GB GDDR6	16 GB HBM2	32 GB HBM2	16 GB HBM2
Memory Bandwidth	Up to 432 GB/s	Up to 672 GB/s	Up to 717 GB/s	Up to 870 GB/s	Up to 483 GB/s
Cores	3840	4608	3584	5120	4096
Power	250 W	295 W	235 W	250 W	250 W
Form Factor	dual slot, Full Height	dual slot, Full Height	dual slot, Full Height	dual slot, Full Height	dual slot, Full Height
DirectX Support <sup>2</sup>	12/12	12/12	12/12	12/12	12/12.1
OpenGL Support	4.5	4.5	4.5	4.5	4.5
Max Resolution (DP) <sup>3</sup>	5120 x 2880 @ 60 Hz	7680x4320 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60Hz	7680 x 4320 @ 60Hz <sup>8</sup>
Max Displays	4	4	4	4	6
Video Outputs	4x DP 1.4 and DL-DVI	4x DP 1.4a + USB-C	4x DP 1.4 and DL-DVI	4x DP 1.4	6x mDP 1.4
Included Video Cables:					
CTO	None	None	None	None	None
AMO	None	None	None	None	2x mini-DP to DP
ISV Certified	Yes	Yes	Yes <sup>6</sup>	Yes <sup>6</sup>	Yes
Other	Quadro® Sync II, GPUDirect, GPU Boost 3.0, SLI®, CUDA®, Mosaic™, VR Ready	Quadro® Sync II, GPUDirect, GPU Boost 3.0, NVLink/SLI®, CUDA®, Mosaic™, VR Ready	Quadro® Sync II, GPUDirect, GPU Boost 3.0, CUDA®, Mosaic™, VR Ready, Multi-GPU Scalability NVLink (2-way) <sup>7</sup>	Quadro® Sync II, GPUDirect, GPU Boost 3.0, CUDA®, Mosaic™, VR Ready, Multi-GPU Scalability NVLink (2-way) <sup>7</sup>	AMD® Sync, OpenCL™ 2.0, Eyefinity, DirectGMA, FreeSync, HDR Ready, VR Ready



SALES GUIDE

## CONTENTS & NAVIGATION

2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

4-7

HP Desktop Workstations discrete graphics spec summary

8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

9

HP Mobile Workstations integrated graphics spec summary

10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

11

Graphics Accessories

12

Additional resources

## HP MOBILE WORKSTATIONS GRAPHICS SUPPORT MATRIX

		HP ZBook 14u G5/ 15u G5	HP ZBook x2 G4	HP ZBook Studio x360 G5	HP ZBook Studio G5	HP ZBook 15v G5	HP ZBook 15 G5	HP ZBook 17 G5	HP Z VR Backpack
Graphics	Category								
Intel® HD Graphics 620	Office 2D		•						
Intel® UHD Graphics 620	Office 2D		•						
Intel® UHD Graphics 630	Office 2D	•		•	•	•	•	•	
Intel® UHD Graphics P630	Entry 3D			•	•	•	•	•	
AMD Radeon™ Pro WX 3100	Entry 3D	•							
AMD Radeon™ Pro WX 4150	Entry 3D						•		
AMD Radeon™ Pro WX 4170	Mid-range 3D							•	
NVIDIA® Quadro® M620	Entry 3D		•						
NVIDIA® Quadro® P600	Entry 3D					•			
NVIDIA® Quadro® P1000	Mid-range 3D			•	•		•	•	
NVIDIA® Quadro® P2000	Mid-range 3D			•	•		•	•	
NVIDIA® Quadro® P3200	High-end 3D							•	
NVIDIA® Quadro® P4200	High-end 3D							•	
NVIDIA® Quadro® P5200	Ultra 3D							•	•

### Key Legend:

- single





SALES GUIDE

## CONTENTS & NAVIGATION

### 2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

### 4-7

HP Desktop Workstations discrete graphics spec summary

### 8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

### 9

HP Mobile Workstations integrated graphics spec summary

### 10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

### 11

Graphics Accessories

### 12

Additional resources

## HP MOBILE WORKSTATIONS INTEGRATED GRAPHICS SPEC SUMMARY

Graphics Module	Intel® HD Graphics 620	Intel® UHD Graphics 620	Intel® UHD Graphics 630	Intel® UHD Graphics P630
Graphics Category	Office 2D	Office 2D	Office 2D	Entry 3D
Memory (shared with system)	up to 32 GB	up to 32 GB	up to 64 GB	up to 1.7 GB
Execution Units	24	24	24	24
DirectX Support	12	12	12	12
OpenGL Support	4.4	4.4	4.5	4.5
Max Resolution (DP) <sup>1</sup>	4096 x 2304 @ 60 Hz	4096 x 2304 @ 60 Hz	4096 x 2304 @ 60 Hz	4096 x 2304 @ 60 Hz
Max Displays <sup>1</sup>	3	3	3	3
ISV Certified	No	No	No	Yes
Other	OpenCL™ 2.0	OpenCL™ 2.0	OpenCL™ 2.0	OpenCL™ 2.0



SALES GUIDE

## CONTENTS & NAVIGATION

2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

4-7

HP Desktop Workstations discrete graphics spec summary

8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

9

HP Mobile Workstations integrated graphics spec summary

10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

11

Graphics Accessories

12

Additional resources

## HP MOBILE WORKSTATIONS DISCRETE GRAPHICS SPEC SUMMARY

Graphics Module	NVIDIA® Quadro® M620	NVIDIA® Quadro® P600	AMD Radeon™ Pro WX 3100	AMD Radeon™ Pro WX 4150	AMD Radeon™ Pro WX 4170
Graphics Category	Entry 3D	Entry 3D	Entry 3D	Entry 3D	Mid-range 3D
Memory	2 GB GDDR5	4 GB GDDR5	2 GB GDDR5	4 GB GDDR5	4 GB GDDR5
Cores	512	384	512	896	1024
Power	30 W	25 W	18 W	35 W	50 W
DirectX Support	12	12	12	12	12
OpenGL Support	4.5	4.5	4.5	4.5	4.5
Max Resolution (DP) <sup>3</sup>	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz
Display Pipelines <sup>3</sup>	4	4	4	5	5
ISV Certified	Yes	Yes	Yes	Yes	Yes
Other	CUDA®	CUDA®	OpenCL™ 2.0 , Vulkan 1.0	OpenCL™ 2.0	OpenCL™ 2.0

## HP MOBILE WORKSTATIONS DISCRETE GRAPHICS SPEC SUMMARY (CONTINUED)

Graphics Module	NVIDIA® Quadro® P1000	NVIDIA® Quadro® P2000	NVIDIA® Quadro® P3200	NVIDIA® Quadro® P4200	NVIDIA® Quadro® P5200
Graphics Category	Mid-range 3D	Mid-range 3D	High-end 3D	High-end 3D	Ultra 3D
Memory	4 GB GDDR5	4 GB GDDR5	6 GB GDDR5	8 GB GDDR5	16 GB GDDR5
Cores	640	768	1792	2304	2560
Power	40 W	50 W	78 W	80 W	100 W <sup>5</sup>
DirectX Support	12	12	12	12	12
OpenGL Support	4.5	4.5	4.5	4.5	4.5
Max Resolution (DP) <sup>3</sup>	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz	5120 x 2880 @ 60 Hz
Display Pipelines <sup>3</sup>	4	4	4	4	4
ISV Certified	Yes	Yes	Yes	Yes	Yes
Other	CUDA®	CUDA®	CUDA®	CUDA®	CUDA®



SALES GUIDE

## CONTENTS & NAVIGATION

### 2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

### 4-7

HP Desktop Workstations discrete graphics spec summary

### 8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

### 9

HP Mobile Workstations integrated graphics spec summary

### 10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

### 11

Graphics Accessories

### 12

Additional resources

## GRAPHICS ACCESSORIES

DisplayPort™ to DVI-D	Single link DVI-D support (max 1920x1200 @ 60 Hz) <b>Part number: FH973AA</b>
DisplayPort™ to dual link DVI	Dual link DVI-D supports 2560x1600 @60 Hz <b>Part number: NR078AA</b>
DisplayPort™ to HDMI 4K Adapter	Supports audio over DP, supports UHD up to 30 Hz and True 4K up to 24 Hz (HDMI 1.4) <b>Part number: K2K92AA</b>
DisplayPort™ to VGA	VGA support <b>Part number: AS615AA</b>
DVI-I to VGA	VGA support <b>Part number: VE053AA</b>
6-pin to 8-pin Power Adapter	HP Z Workstation PSU adaptor for graphics <b>Part number: N1G35AA</b>
6-pin to Dual 6-pin Power Adapter	HP Z Workstation PSU adaptor for graphics <b>Part number: F5J05AA</b>
NVIDIA® SLI® Connector	For NVIDIA® Quadro®, P5000, P6000 applications but with 4K display limitation <b>Part number: PP654AA</b>
NVIDIA® SLI® 2-Slot Connector	For NVIDIA® Quadro® P4000, P5000, and P6000 on HP Z4 G4 or HP Z8 G4 <b>Part number: 2YY84AA</b>
NVIDIA® SLI® 3-Slot Connector	For NVIDIA® Quadro® P4000, P5000, and P6000 on HP Z6 G4 <b>Part number: 2YY85AA</b>
NVIDIA® 3D Stereo Bracket	For NVIDIA® Quadro® M4000, M5000, M6000, P5000, P6000 applications <b>Part number: K0A25AA</b>
NVIDIA® Quadro® Sync II	For NVIDIA® Quadro® P4000, P5000, P6000, GP100, <b>Part number: 1ZE81AA</b>
HP (Bulk 12) miniDP-to-DP Adapter Cables	To connect additional displays to graphics cards with miniDP ports <b>Part number: 2KW87A6</b>
HP Single miniDP-to-DP Adapter Cable	To connect one additional display to graphics card's miniDP port <b>Part number: 2MY05AA</b>
HP NVIDIA® GP100 NVLINK Bridge Kit (Pair)	To connect two GP100 graphics cards for GPU-compute scaling <b>Part number: 2YY86AA</b>
HP NVIDIA® GV100 NVLINK Bridge Kit (Pair)	To connect two GV100 graphics cards for GPU-compute scaling <b>Part number: 3NZ66AA</b>



SALES GUIDE

## CONTENTS & NAVIGATION

### 2-3

HP Desktop Workstations graphics support matrix<sup>1</sup>

### 4-7

HP Desktop Workstations discrete graphics spec summary

### 8

HP Mobile Workstations and HP Z VR Backpack graphics support matrix

### 9

HP Mobile Workstations integrated graphics spec summary

### 10

HP Mobile Workstations and HP Z VR Backpack discrete graphics spec summary

### 11

Graphics Accessories

### 12

Additional resources

## ADDITIONAL RESOURCES

Resources, contacts, or additional links

AMD FirePro™ Professional Graphics [amd.com/en-us/solutions/workstations](http://amd.com/en-us/solutions/workstations)

NVIDIA® Quadro® Graphics [nvidia.com/object/hp\\_workstations.html](http://nvidia.com/object/hp_workstations.html)

High Performance Computing [www8.hp.com/us/en/campaigns/workstations/gpu-computing.html](http://www8.hp.com/us/en/campaigns/workstations/gpu-computing.html)

Learn more at [hp.com/go/leadershipgraphics](http://hp.com/go/leadershipgraphics)

## SOURCES AND LEGAL DISCLAIMERS

### HP Z Desktop Workstation notes

- <sup>1</sup> Please refer to platform specifications and ordering guides for applicable configuration restrictions.
- <sup>2</sup> 1st/2nd where 1st is DirectX HW level version support, and 2nd is SW API DirectX version support.
- <sup>3</sup> Not all video outputs of the graphics card may support the stated Max Resolution. See the card QuickSpecs for details and any restrictions.
- <sup>4</sup> Two video card DP outputs must be cabled using two DP cables to a 5K (5120x2880) display that accepts dual DP inputs (such as the HP Z27q).
- <sup>5</sup> 2x dual DP 1.3 cabled 5k displays max., or 1x single cable DP 1.4.
- <sup>6</sup> Tested by select ISVs.
- <sup>7</sup> NVLink is not supported due to mechanical limitation.
- <sup>8</sup> 6x DP 1.3 4K @60 Hz or 3x 5K @60 Hz or 1x 8K @60 Hz.

### HP ZBook Mobile Workstation and HP Z VR Backpack notes

- <sup>1</sup> See Mobile Workstation system specifications for display output types and max displays supported.
- <sup>2</sup> 4 GB GDDR5 configuration offered on HP ZBook Studio G3 only.
- <sup>3</sup> HP Z VR Backpack enables 150 W GPU.

LET US HELP YOU CREATE AMAZING BUSINESS  
SOLUTIONS TODAY

LEARN MORE

---

Sign up for updates  
[hp.com/go/getupdated](http://hp.com/go/getupdated)



Share with colleagues

© Copyright 2019 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel and Iris are trademarks of Intel Corporation in the U.S. and other countries. AMD® and FirePro are trademarks of Advanced Micro Services, Inc. All other trademarks are the property of their respective owners. NVIDIA, CUDA, Mosaic, nView, NVS, Quadro and SLI, and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries.

4AA4-6106ENW, January 2019

