

### Overview

## AMD® Radeon™ R7 450 4GB Card

### Models

AMD® Radeon™ R7 450 4GB Card

Z9H52AA

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### Compatibility

The AMD® Radeon™ R7 450 4GB Card is supported on the following platforms:

HP ProDesk 400 G4 MT, HP ProDesk 600 G3 MT, HP EliteDesk 800 G3 TWR.

### Service and Support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.

### Technical Specifications

<b>Memory</b>	4GB 128-bit wide frame buffer operating at 1125MHz.
<b>Controller Clock Speed</b>	AMD® Radeon™ R7 450 GPU operating at up to 925MHz
<b>Multi-display Support</b>	A maximum of 4 displays are supported by the card.
<b>Graphics /API support</b>	DIRECTX 12, Open GL 4.5, Open CL 2.0, AMD Video Coding Engine (VCE) 3.4 and AMD Universal Video Decoder( UVD)
<b>Output Connectors</b>	1 x Dual-Link DVI-I, 1x Display Port, 1x HDMI
<b>PCIE Connector</b>	16 lane PCIE 3.0

### Supported Display Resolutions and Refresh Rates

**Note:** other resolutions may be available but are not recommended as they may not have been tested and qualified by HP

Resolution	Refresh Rate*	DVI-D	DisplayPort™	HDMI	Standard
640 x 480	60, 75, 85	X	X	X	VESA DMT, CVT 0.31M3
720 x 400	70	X	X	X	IBM VGA
800 x 600	60, 75, 85	X	X	X	VESA DMT, CVT0.48M3
1024 x 768	60, 75, 85	X	X	X	VESA DMT, CVT 0.79M3
1152 x 864	60, 75, 85	X	X	X	VESA DMT, CVT 0.83MA
1280 x 720	60, 75, 85	X	X	X	VESA DMT, CVT 0.92M9, CEA-770.3
1280 x 768	60, 60RB, 75, 85	X	X	X	VESA DMT, CVT 0.98M9/0.98M9-R
1280 x 800	60, 75, 85	X	X	X	VESA DMT
1280 x 960	60, 75, 85	X	X	X	VESA DMT
1280 x 1024	60, 75, 85	X	X	X	VESA DMT, CVT 1.31M4
1366 x 768	60, 60RB	X	X	X	VESA DMT
1440 x 900	60, 60RB	X	X	X	VESA DMT
1600 x 900	60, 60RB, 75, 85	X	X	X	VESA DMT
1680 x 1050	60, 60RB, 75	X	X	X	VESA DMT, CVT 1.76MA/1.76MA-R
1920 x 1080	60	X	X	X	VESA DMT, CVT 2.07M9, SMPTE 274M
1920 x 1200	60, 60RB, 75, 85	X	X	X	DMT, CVT 2.30MA/2.30MA-R
1600 x 1200	60, 75, 85	X	X	X	VESA DMT, 1.92M3
1920 x 1440	60, 75, 85	X	X	X	VESA DMT, CVT 2.76M3

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2048 x 1536	60, 75	X	X	X	CVT 3.15M3
2560 x 1440	59.951	X	X	X	CVT 3.69M9-R
2560 x 1600	60, 60 RB	X	X	X	VESA DMT, CVT 4.10MA/4.10MA-R
3840 x 2160	24		X	X	CVT-RBv1/v2 (8.29M9-R), SMPTE 274M
3840 x 2160	25		X	X	CVT-RBv1/v2 (8.29M9-R), SMPTE 274M
3840 x 2160	30	X	X	X	CVT-RBv1/v2 (8.29M9-R), SMPTE 274M
3840 x 2160	50		X		CVT-RBv1/v2 (8.29M9-R), SMPTE 274M
3840 x 2160	60		X		CVT-RBv1/v2 (8.29M9-R), SMPTE 274M
4096 x 2160	24		X	X	CVT-RBv1/v2 (8.85M-R), SMPTE 274M
4096 x 2160	25		X	X	CVT-RBv1/v2 (8.85M-R), SMPTE 274M
4096 x 2160	30		X	X	CVT-RBv1/v2 (8.85M-R), SMPTE 274M
4096 x 2160	50		X		CVT-RBv1/v2 (8.85M-R), SMPTE 274M
4096 x 2160	60		X		CVT-RBv1/v2 (8.85M-R), SMPTE 274M
1920 x 1080	60	X	X	X	VESA (SMPTE 274M)
1920 x 1080	50	X	X	X	SMPTE 274M
1920 x 1080	30	X	X	X	SMPTE 274M
1920 x 1080	24	X	X	X	SMPTE 274M
1280 x 720	60	X	X	X	VESA (CEA-770.3)
1280 x 720	50	X	X	X	SMPTE 296M
720 x 480	60	X	X	X	MHL (CEA-770.2)

#### Agency Approvals

BSMI, CE, ACA, ICES/CISPR, KC, UL, VCCI

#### Available Graphics Drivers

Microsoft Windows 7x32, 7x64, 10x64

#### Power Consumption

58W Max average

#### Kit Contents

AMD® Radeon™ R7 450 4GB Card, DVI-I to VGA adapter and documentation

## *Technical Specifications*

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### Change Log

<b>Date of change:</b>	<b>Version History:</b>	<b>Description of change:</b>
February 9, 2017	Version 1 to 2	Launch
September 22, 2017	Version 2 to 3	1 x Dual-Link DVI-I, 2x Display Port, changed to 1 x Dual-Link DVI-I, 1x Display Port, 1x HDMI on output connector 's section