

### Technical Specifications

#### HP E24q G4 QHD Monitor



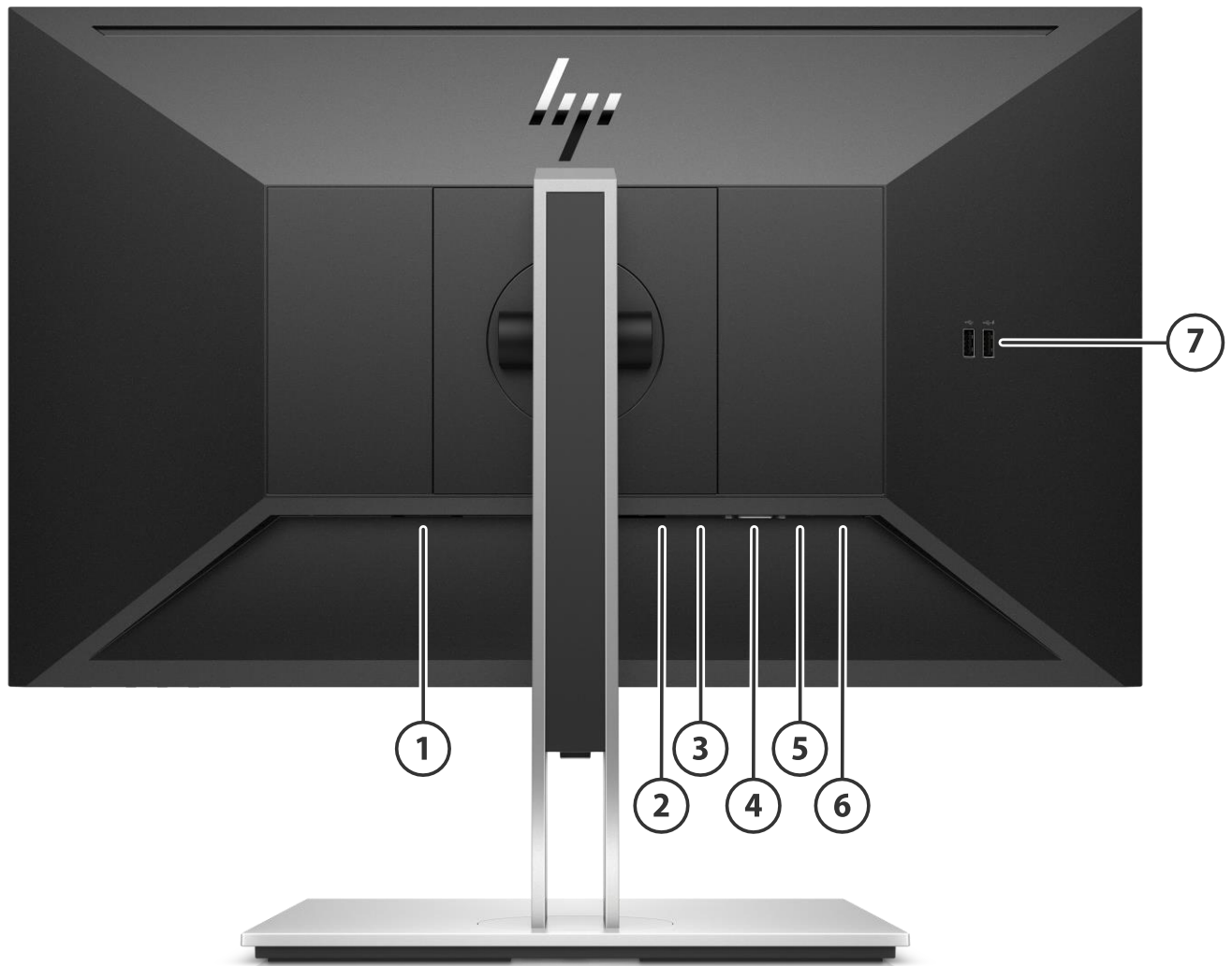
1. OSD Buttons

#### Front

2. Power Button

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#### HP E24q G4 QHD Monitor



1. Power Connector
2. DisplayPort™
3. HDMI Port
4. VGA Port

#### Back

5. USB-B Port
6. USB-A Ports (2)
7. USB-A Ports (2)

### Technical Specifications

**Models:** 9VG12AA

|                             |  |
|-----------------------------|--|
| <b>Panel Specifications</b> | <p><b>Display Size (Diagonal)</b> 23.8-in</p> <p><b>Display Panel Type</b> IPS</p> <p><b>Micro-Edge Bezel</b> Yes, 3-sided</p> <p><b>Native Resolution/Timing</b> 2560x1440 @60Hz</p> <p><b>Panel Bit Depth</b> 8bit (6bit + FRC)</p> <p><b>Aspect Ratio</b> 16:9</p> <p><b>Brightness - Typical</b> 250 cd/m<sup>2</sup></p> <p><b>Static Contrast Ratio - Typical</b> 1000:1</p> <p><b>Static Contrast Ratio - Minimum</b> 700:1</p> <p><b>Dynamic Contrast Ratio (DCR)</b> 5M:1</p> <p><b>Flicker Free</b> Yes</p> <p><b>Pixel Pitch</b> 0.2058 (H) × 0.2058(V) mm</p> <p><b>Pixels Per Inch (PPI)</b> 123</p> <p><b>Backlight Lamp Life (to half brightness - in hours)</b> 30k minimum</p> <p><b>Anti-Glare Panel</b> Yes</p> <p><b>Response Time - Typical</b> 4 ms</p> <p><b>Horizontal Viewing Angle (typical CR&gt;10)</b> 178°</p> <p><b>Vertical Viewing Angle (typical CR&gt;10)</b> 178°</p> <p><b>Panel Active Area (w x h)</b> 526.85(H) × 296.35(V) mm</p> <p><b>Preset Graphic Modes/Supported Resolutions</b></p> <p>640 × 480 @60Hz</p> <p>720 × 400 @70Hz</p> <p>800 × 600 @60Hz</p> <p>1024 × 768 @60Hz</p> <p>1280 × 720 @60Hz</p> <p>1280 × 800 @60 Hz</p> <p>1280 × 1024@60Hz</p> <p>1440 × 900 @60Hz</p> <p>1600 × 900 @60Hz</p> <p>1680 × 1050 @60Hz</p> <p>1920 × 1080 @60Hz</p> <p>1920 x 1200 @ 60Hz</p> <p>2560 x 1440 @ 60Hz</p> <p><b>Maximum Resolution</b> 2560 x 1440 @ 60Hz</p> <p><b>Recommended Resolution</b> 2560 x 1440 @ 60Hz</p> <p><b>Vertical Scan Range</b> 50-60Hz</p> <p><b>Horizontal Scan Range</b> 30-90kHz</p> <p><b>Default Color Temperature</b> Neutral (6500K)</p> |
|                             | <p><b>NOTE:</b> Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</p>  |
| <b>Color Gamut Coverage</b> | <b>NTSC</b> 72%  |
| <b>Color Management</b>     | <p><b>Color Space / Subsampling Support</b> RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2</p> <p><b>Default Color Temperature</b> Neutral (6500 K)</p> <p><b>Low Blue Light Modes</b> Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)</p> <p><b>RGB Channel Adjust</b> Yes, Gain</p>   |

### Technical Specifications

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| <b>Monitor Specifications</b>              | <b>Exterior Color of Monitor Bezel and Stand</b><br><b>Plug &amp; Play</b><br><b>Tilt</b><br><b>Swivel</b><br><b>Pivot</b><br><b>Height Adjustment Range</b><br><b>VESA Mounting</b><br><b>Security Lock Ready</b><br><b>Detachable Base</b><br><b>Warranty</b> | Black head, Silver stand<br>Yes<br>-5° to +23°<br>+/-45°<br>+/-90°<br>150mm<br>Yes, 100 mm<br>Yes<br>Yes, ships detached<br>Based on region  |
| <b>On Screen Display (OSD)</b>             | <b>On Screen Display User Controls</b><br><br><b>Monitor Control Buttons or Switches</b><br><br><b>User-Assignable Function Buttons</b><br><br><b>Languages</b>   | Brightness+, Color, Image, Input, Power, Menu, Management, Information<br>Menu, Minus ("-")/Information, Plus ("+") /Viewing Mode, OK/Next Active Input, Power<br>Yes, 4<br><br>10 (German, Dutch, T-Chinese and S-Chinese, English, Spanish, French, Italian, Japanese, Portuguese) |
| <b>Connector Types</b>                     | <b>DisplayPort™</b><br><b>HDMI</b><br><b>VGA</b><br><b>HDCP support</b>   | 1 DisplayPort™ 1.2 in<br>1 HDMI1.4<br>1<br>Yes, (DisplayPort™ and HDMI)  |
| <b>USB Port Specifications</b>             | <b>USB Version</b><br><br><b>USB Hub</b><br><b>Downstream Ports</b><br><b>Upstream Ports</b><br><b>Fast Charging USB Ports</b><br><b>Power Output Maximum</b>   | 3.2<br><br>Yes<br>4 Ports<br>1 USB-B port<br>1 Ports (Side) (USB-A)<br>Fast Charging: 7.5 W  |
| <b>Special Features</b>                    | <b>User Presets</b><br><b>User Updateable Firmware</b>  | Yes<br>Yes   |
| <b>Power &amp; Operating Specs</b>         | <b>Power Supply</b><br><b>Power Source</b><br><b>Power Consumption - Maximum</b><br><b>Energy Saving/Standby Mode</b><br><b>Power Consumption - Typical</b><br><b>Power cable length</b>  | Internal<br>100 – 240 VAC 50/60 Hz<br>175 W<br>0.5 W<br>70 W<br>1.9 m  |
| <b>EU Energy Efficiency Class (EC1062)</b> | <b>On-mode Power Consumption (EC 1062/2010)</b><br><b>Annual Power Consumption (EC 1062/2010)</b><br><b>Energy Efficiency Class (EC 1062/2010)</b><br><b>Visible Screen Size</b>  | 15 W<br>22 kWh<br>A+<br>23.8" / 60,5 cm Diagonal   |
| <b>Operating Conditions</b>                | <b>Operating Temperature - Celsius</b><br><b>Operating Temperature - Fahrenheit</b><br><b>Non-operating Temperature - Celsius</b><br><b>Non-operating Temperature - Fahrenheit</b>  | 5°– 35°C<br>41°– 95°F<br>-34°– 60°C<br>-29°– 140°F   |

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|--|---|---|
|  | <b>Operating Humidity</b>                       | 20 – 80% Relative Humidity (non-condensing)   |
|  | <b>Non-operating Humidity</b>                   | 5 – 95%   |
|  | <b>Operating Altitude</b>                       | 0 – 5,000 m (16,400 ft.)  |
|  | <b>Non-operating Altitude</b>                   | 0 – 12,192 m (40,000 ft.)   |
| <b>Environmental Features and Certifications</b> | <b>Mercury-free LED display backlighting</b>    | Yes, Mercury-free LED backlighting  |
|  | <b>Arsenic-Free Display Glass</b>               | Yes   |
|  | <b>Low Halogen*</b>                             | Yes<br>GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC)<br>NOTE: External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. |
|  | <b>Agency Approvals and Certifications</b>      | WW certificate<br>CE, CB, KC/KCC/NOM/ISO 9241-307/ EAC/TUV-GS/CTUVus/PSB/CCC/CEL/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE/BIS/CEC/E-Standby/Low Blue Light/CECP/TUV-S/CECP                             |
|  | <b>Microsoft WHQL Certification</b>             | Win 10, Win 8, Win 7  |
|  | <b>ENERGY STAR®</b>                             | Yes, ENERGY STAR® 8   |
|  | <b>EPEAT® Registered*</b>                       | Yes   |
|  | <b>TCO Certified</b>                            | Yes   |
|  | <b>China Energy Label</b>                       | CEL Grade 1   |
|  | <b>SmartWay Transport Partnership - NA only</b> | Yes (NA SKU)  |

\*External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

**NOTE:** DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.

**Contains Recycled Plastics** 85% recycled content by total weight

| <b>Unit Product/Package Specifications</b> | <b>Product Dimensions</b><br>(Unpacked with stand) (W x D x H)         | <b>Metric</b>                 | <b>Imperial</b>               |
|--|--|-------------------------------|-------------------------------|
|  |  |                               | 53.94 x 20.7 x 49.49 cm       |
|  | <b>Product Dimensions</b><br>(Packed) (W x D x H)                      | 61 x 22.5 x 39.5 cm           | 24.02 x 8.86 x 15.55 in       |
|  | <b>Display Head Dimensions</b><br>(Unpacked without stand) (W x D x H) | 53.94 x 4.7 x 32.33 cm        | 21.24 x 1.85 x 12.73 in       |
|  | <b>Base Area Footprint</b><br>(w x d mm)                               | 260 x 207 mm                  | 10.24 x 8.15 in               |
|  | <b>Bezel Measurements</b>  | Bottom 19.66mm (display chin) | Bottom 0.77 in (display chin) |
|  | <b>Product Weight</b><br>(Unpacked with stand)                         | 5.9 kg                        | 13 lb                         |
|  | <b>Product Weight</b><br>(Packed)                                      | 8.8 kg                        | 19.4 lb                       |
|  | <b>Product Weight</b><br>(Head Only)                                   | 3.4 kg                        | 7.5 lb                        |
|  | <b>Container Load, 40-Foot HighQ</b>                                   | 1152                          |                               |

**Display Management Software** HP Display Center

### Technical Specifications

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|--|-----------------------------------|---|
| <b>What's in the box?</b>                | 1 HDMI 2.0                        | (1.8 m) 5.9 ft  |
|  | 1 DisplayPort™ (DisplayPort™ 1.2) | (1.8 m) 5.9 ft  |
|  | 1 USB-B to A cable                | (1.8 m) 5.9 ft  |
|  | 1 Power Cord                      | (1.9 m) 6.2 ft  |
|  | 1 QSP                             |   |
|  | 1 Doc-Kit                         |   |
| <b>User Guide and Warranty Languages</b> | <b>User Guide Languages</b>       | English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish. |
|  | <b>Warranty Languages</b>         | English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish. |

### *Technical Specifications*

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## Summary

### Change Log

| Change Log      |          |  |                   |
|-----------------|----------|--|-------------------|
| January 3, 2021 | V1 to V2 |  | Techspecs Updated |
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