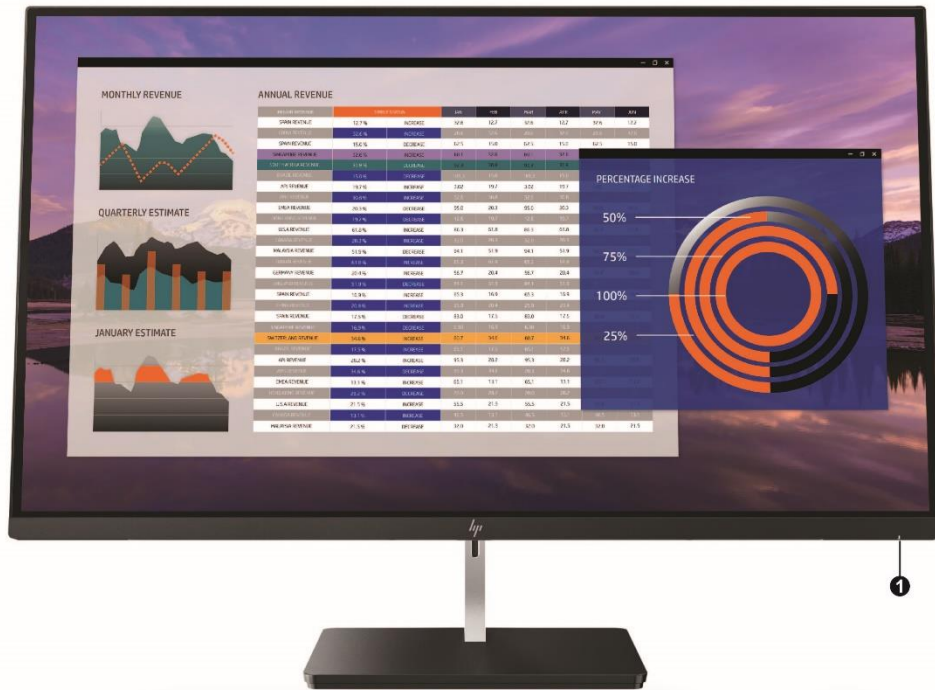


Technical Specifications

HP EliteDisplay S270n



1. LED Indicator

Technical Specifications

HP EliteDisplay S270n



- | | | |
|---|-----------------------------|--------------------------------|
| 1. Menu button | 5. Power button | 9. USB Type-C™ port |
| 2. Plus button Function button 2 — assignable* | 6. DisplayPort™ port | 10. Power connector |
| 3. Minus button Function button 3 — assignable* | 7. HDMI 1 (2.0) port | 11. Security cable slot |
| 4. OK button Function button 4 — assignable* | 8. HDMI 2 (1.4) port | |

* Function buttons 2 through 4 may be used to navigate through the OSD menu based on the indicators above the buttons that are activated while the OSD menu is open.

Technical Specifications

| | | |
|--|--|---|
| Panel Specifications* | Display Size (Diagonal) | 27 inch |
| | Display Panel Type | IPS |
| | Native Resolution | 3840 x 2160 @ 60 Hz |
| | Aspect Ratio | 16:9 |
| | Brightness – Typical | 350 cd/m ² |
| | Static Contrast Ratio - Typical | 1,300:1:00 |
| | Dynamic Contrast Ratio (DCR) | 5M:1 (min) /10M:1 (typical) |
| | NOTE: Dynamic Contrast Ratios during video playback only, depending on series of frames or time duration. | |
| | Flicker Free | Yes |
| | Low Blue Light Modes | Yes |
| | Pixel Pitch | 0.1554 x 0.1554 mm |
| | Pixels Per Inch (PPI) | 163.18 |
| | Backlight Lamp Life (to half brightness - in hours) | 30k hours minimum |
| | Anti-Glare Panel | Advanced Haze |
| | BrightView Panel | No |
| | Response Time - Typical | 5.4ms grey to grey |
| | Color Gamut – Typical | >99% sRGB |
| | Color Support | Up to 1.07 billion colors with the use of FRC technology |
| | Color Depth | 10 Bit (8 Bit + A-FRC) 1.07 Billion color |
| | Horizontal Viewing Angle (typical CR>10) | 178° |
| | Vertical Viewing Angle (typical CR>10) | 178° |
| | Panel Active Area | 596.74 x 335.66 mm (23.49 x 13.21 in) |
| | Preset Graphic Modes/Supported Resolutions | 640 x 480 @ 60Hz 720 x 480 @ 60 Hz 800 x 600 @ 60 Hz 1024 x 768 @ 60 Hz 1280 x 720 @ 60 Hz 1280 x 800 @ 60 Hz 1280 x 1024 @ 60 Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60 Hz 1920 x 1200 @ 60 Hz 2560 x 1440 @ 60 Hz 2560 x 1600 @ 60 Hz 3840 x 2160 @ 60 Hz |
| Maximum Resolution | 3840 x 2160 @ 60 Hz | |
| Recommended Resolution | 3840 x 2160 @ 60 Hz | |
| Vertical Scan Range | 24-60 Hz | |
| Horizontal Scan Range | 27-135 kHz | |
| Default Color Temperature | SRGB(D65) | |
| Maximum Pixel Clock Speed | 533 MHz | |
| *All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. | | |
| Monitor Specifications | Exterior Color of Monitor Bezel and Stand | Black Head, Black Onyx Chin / Base, and Chrome plated Stand arm |
| | Plug & Play | Yes |
| | Tilt | -5 to + 23 degrees |
| | Security Lock Ready | Yes (lock is sold separately) |
| | Height Adjustment | Yes |

Technical Specifications

| | | |
|--|---|---|
| | Height Adjustment Range | 100 mm |
| | Detachable Base | Yes |
| | Warranty | 3/3/0 : NA and EMEA 3/3/3 : APJ |
| On Screen Display (OSD) | On Screen Display User Controls | Brightness, Contrast, Color Control, Input Control, Image Control, Power Control, Menu Control, Management, Language, Information, Exit |
| | User Programmable Modes | Yes, 10 |
| | Monitor Control Buttons or Switches | Menu, Plus ("+") Minus ("-") Information Viewing Mode Exit Next Input Power |
| | Languages | 10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese) |
| | VESA Mounting | Yes |
| Input Connector Types | VGA | No |
| | DVI-D | No |
| | HDMI | 1 x HDMI 2.0 1 x HDMI 1.4 |
| | MHL/HDMI | No |
| | HDCP support | 1 x HDMI 2.0 HDCP 2.2 up to 4k 1 x HDMI 1.4 HDCP 1.4 HDCP support (HDMI and DP) |
| | Audio | No |
| | USB | 1 x USB Type-C™ |
| | Card Reader | No |
| | DisplayPort™ 1.2 | 1 x DisplayPort™ 1.2 |
| | Video/audio cables included with lengths | HDMI 1.8m DP 1.8 m USB Type-C™ 1.8m |
| | NOTE: USB Type-C™ supports DisplayPort 1.2™, power delivery up to 60 W | |
| Power & Operating Specs | Power Supply | External |
| | Power Source | 100 - 240 VAC 50/60 Hz |
| | Power Consumption - Maximum | 126w |
| | Energy Saving/Standby Mode | 0.5w |
| | Power Consumption - Typical | 55w |
| | Power cable length | 1.9 m |
| ENERGY STAR® Data | Operational Mode at 100 VAC | 109.6 KWH/year |
| | Operational Mode at 115 VAC | 109.6 KWH/year |
| | Operational Mode at 230 VAC | 109.6 KWH/year |
| EU Energy Efficiency Class (EC1062) | On-mode Power Consumption (EC 1062/2010) | 44W |
| | Annual Power Consumption (EC 1062/2010) | 64 kWh |
| | Energy Efficiency Class (EC 1062/2010) | C |
| | Visible Screen Size | 27" / 68,47 cm |
| Operating Conditions | Operating Temperature | 5° - 35°C |

Technical Specifications

| | | |
|--|---|--|
| | Operating Temperature | 41° - 95°F |
| | Non-operating | -20° - 60°C |
| | Non-operating Temperature | 29° - 140°F |
| | Operating Humidity | 20% - 80% (non-condensing) |
| | Non-operating Humidity | 5% - 95% |
| | Operating Altitude | 0 - 5,000 m (16,400 ft.) |
| | Non-operating Altitude | 0 - 12,192 m (40,000 ft.) |
| Environmental Features and Certifications | Mercury-free LED display backlights | Yes, Mercury-free LED backlighting |
| | Arsenic-Free Display Glass | Yes |
| | Low Halogen | Yes |
| | | GSE HP-00011-01B, table 2 defines low-halogen (BFR, CFR, PVC) |
| | NOTE: External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. | |
| | Agency Approvals and Certifications | WW application CE/CB/MSIP/Mexico COC/ICES/ISO 9241-307/ CU/cTUVus/ISC/CCC/CEL/Energy Star/VCCI/FCC/BSMI/WEEE /RCM/ErP |
| | Microsoft WHQL Certification | Win 10, Win 8, Win 7 |
| | ENERGY STAR® Certified | Yes, ENERGY STAR® 7 |
| | EPEAT® Registered | EPEAT® Gold |
| | NOTE: EPEAT® registered where applicable. EPEAT registration varies by country. See http://www.epeat.net for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at http://www.hp.com/g/options | |
| | China Energy Label | CEL Grade 1 |
| | SmartWay Transport Partnership - NA only | Yes (NA SKU) |
| Contains Recycled Plastics | Contains Recycled Plastics in Back Cover | 85% |
| | Contains Recycled Plastics in Base/Stand | 85% |
| | Contains Recycled Plastics in Other Parts | 85% (Deco, Middle Frame) |
| | Recyclable Plastics | All |
| | Recyclable Packaging (Box, packing materials) | All |
| Unit Product/Package Specifications | Product Dimensions (Unpacked with stand) | |
| | Metric (W x D x H) | 61.35 x 18.99 x 49.85 cm |
| | Imperial (W x D x H) | 24.2 x 7.5 x 19.6 in |
| | Display Head Dimensions (Unpacked without stand) | |
| | Metric (W x D x H) | 61.35 x 4.0 x 36.25 cm |
| | Imperial (W x D x H) | 24.2 x 1.6 x 14.3 in |
| | Base Dimensions (Unpacked) | |
| | | 22.0 x 18.9 cm |
| | | 8.7 x 7.4 in |
| | Product Dimensions (Packed) | |
| | Metric (w x d x h cm) | 71.5 x 27 x 48cm |
| | Imperial (w x d x h in) | 28.15 x 10.63 x 18.9 in |
| Product Weight (Packed) | | |
| Metric | 10.95 kg | |
| Imperial | 24.16 lb | |

Technical Specifications

Product Weight (Head Only)

| | |
|----------|----------|
| Metric | 4.85 kg |
| Imperial | 10.69 lb |

Environmental Data

Eco-Label Certifications & declarations

This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:

- IT ECO declaration
- US ENERGY STAR®
- TCO or TCO Certified Edge
- EPEAT® Gold registered in the United States. See <http://www.epeat.net> for registration status in your country. Search keyword *generator* on HP's 3rd party option store for solar energy accessory at <http://www.hp.com/go/options>.
- US Federal Energy Management Program (FEMP)

Energy Consumption (in accordance with US ENERGY STAR® test method)

| | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 50Hz |
|------------------|--------------|--------------|--------------|
| Normal Operation | 31.14 W | 31.51 W | 31.12 W |
| Sleep | 0.25 W | 0.37 W | 0.31 W |
| Off | 0.21 W | 0.32 W | 0.23 W |

Heat Dissipation*

| | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 50Hz |
|------------------|--------------|--------------|--------------|
| Normal Operation | 106 BTU/hr | 108 BTU/hr | 106 BTU/hr |
| Sleep | 1 BTU/hr | 1 BTU/hr | 1 BTU/hr |
| Off | 1 BTU/hr | 1 BTU/hr | 1 BTU/hr |

*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- This product is in compliance with the IEEE 1680 (EPEAT) standard at the <Gold> level, see www.epeat.net
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.
- This product contains 15.8% post-consumer recycled plastic (by wt.)
- This product is 98.8% recycle-able when properly disposed of at end of life.

Packaging Materials

| | | |
|------------------|--|--------|
| External: | PAPER/Corrugated | 1860 g |
| | PAPER/Paperboard | 20 g |
| | PAPER/Paper | 28 g |
| Internal: | COMPOSITE/paper/carton+plastic | 3 g |
| | PLASTIC/Polyethylene high density - HDPE | 28 g |
| | PLASTIC/Other | 1 g |

Technical Specifications

PLASTIC/Polyethylene Expanded - EPE

823 g

RoHS Compliance

HP, Inc. is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at

<http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf>):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Technical Specifications

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <http://www.hp.com/go/reuse-recycle> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/recyclers>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

HP, Inc. Corporate Environmental Information

For more information about HP's commitment to the environment:

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html>

Eco-label certifications

<http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html>

ISO 14001 certificates:

<http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842>

and

<http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf>

Pallet Information

| | |
|--|---------------------------|
| Pallet Dimensions (L x W x H mm) | 1098L*725W*125H(mm) |
| Pallet Dimensions (L x W x H inch) | 43.23L*28.54W*4.92H(inch) |
| Pallet Total Weight (including units) kg | 190kg |
| Pallet Total Weight (including units) lbs | 418.52 lbs |
| Pallet Layers | 4 layers |
| Pallet Product per Layer | 4 units |

Options¹

| | |
|-----------------------------|---------|
| USB-C Universal Dock | 1MK33AA |
| HP Hot Desk Stand | W3Z73AA |
| Single Monitor Arm | BT861AA |

Technical Specifications

| | | |
|-----------------------------|---------------------------------|---|
| | Dual Head Cable Lock | T1A64AA |
| | Mini and Thin Client IWC | G1V61AA |
| | UHD USB Graphics Adapter | N2U81AA |
| Software Included | Software included | Display Assistant |
| Accessories Included | What's in the box? | AC power cord (1.9m) 6.2 ft HDMI cable (1.8m) 5.9 ft USB Type-C™ cable (1.8m) DP cable (1.8m) VESA Mount Adapter |
| Other | User Guide Languages | 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. |
| | Warranty Languages | 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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Technical Specifications

| Change Log | |
|-------------------|--------------------------------|
| | |
| V1 to V2 | Accessories section updated |
| V2 to V3 | Response time updated |
| | |
| V3 to V4 | Environmental data table added |
| V4 to V5 | Specs updated |
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