

## Technická specifikace plnění

Předmětem plnění je dodání dále specifikovaných výhradně nových, nepoužitých zařízení, dodaných do místa plnění zakázky v originálních obalech výrobce.

Níže uvedené specifikace jednotlivých položek předmětu plnění obsahují obchodní názvy, specifická označení, katalogová čísla, položky konfigurace, odkazy na informace publikované výrobcem, atp. Specifikace předmětu plnění je uvedením těchto údajů a informací natolik určitá, že na jejich základě lze jednoznačně identifikovat jednotlivé položky předmětu plnění, jejich specifikace a funkční vlastnosti.

### 1. Grafická pracovní stanice\_MTL

Počet: 1 kus



#### Dell Precision Tower 5810 XCTO

v konfiguraci:

- Intel Xeon Processor E5-2630 v4 (10C, 2.2GHz, 3.1GHz Turbo, 2133MHz, 25MB, 85W)
- Dell Precision Tower 5810 825W TPM, BW
- 32GB (4x8GB) 2400MHz DDR4 RDIMM ECC
- 2.5 256GB SATA Class 20 Solid State Drive
- Integrated Intel AHCI chipset SATA controller (6 x 6.0Gb/s) - SW RAID 0/1/5/10
- Heatsink for single CPU T5810
- 8x DVD-/RW Slimline
- Chassis Intrusion Switch
- NVIDIA Quadro M2000 4GB (4 DP) (1 DP to SL-DVI adapter)
- Dell Multimedia Keyboard - Czech (QWERTZ) - Black
- C3 SATA / SSD 2.5 Inch, 1-2 Hard Drives
- Dell Precision T5810 Resource DVD
- Dell Laser Scroll USB (6 Buttons) Silver and Black Mouse (Kit)
- Windows 10 Pro for Workstation (4 Cores Plus) Multi - English, Czech, Hungarian, Polish, Slovak
- Windows 10 Pro OS Recovery 64bit - DVD
- Intel vPro Technology Enabled
- OS Recovery
- 4Yr ProSupport and Next Business Day On-Site Service
- Dell UltraSharp U2718Q, 27" 4K Monitor, 4Yr Basic with Advanced Exchange

Podrobná technická specifikace:

Precision 5810: <http://i.dell.com/sites/doccontent/shared-content/data-sheets/en/Documents/Dell-Precision-Tower-5000-Series-5810-Spec-Sheet.pdf>

UltraSharp U2718Q: <http://www.dell.com/cz/domacnosti/p/dell-u2718q-monitor/pd?~ck=anav>

Zařízení bezzbytku splňuje veškeré níže v tabulce uvedené požadavky zadavatele specifikované v zadávací dokumentaci veřejné zakázky, a to včetně požadavku na délku záruky, služby související s dodávkou zařízení a způsob poskytování záručního plnění.

| Počítačová jednotka |   |
|---------------------|---|
| Procesor            | Min. 10-ti jádrový, výkon v Passmark CPU Mark min. 13750 jednotek (reference <a href="http://www.cpubenchmark.net/cpu_list.php">http://www.cpubenchmark.net/cpu_list.php</a> ), TDP = |

|                                    |  |
|------------------------------------|--|
|                                    | max. 86W   |
| Operační paměť                     | Min. 32GB, min. 2400MHz, Quad-channel, DDR4, RDIMM ECC, min. 4 sloty volné pro rozšíření RAM, možnost osazení 256GB RAM  |
| Pevný disk                         | Min. 256GB, SSD, min. Class 20, možnost osazení 8ks pevných disků s podporou konfigurací:<br>- 4x SSD M.2 a 4x SSD SATA/SAS,<br>- 4x SSD M.2 a 4x HDD SATA/SAS,<br>podpora osazení HDD SAS 15k rpm,<br>podpora RAID 0/1/5/10   |
| Grafika                            | Grafický adapter s výkonem min. 4250 jednotek Passmark G3D Rating (reference <a href="http://www.videocardbenchmark.net/gpu_list.php">http://www.videocardbenchmark.net/gpu_list.php</a> ), GPU Memory min. 4GB DDR5, memory interface min. 128-bit, podpora Open GL 4.5 nebo vyšší, výstup min. 4x Display Port v1.2, Podpora přenosu obrazu v rozlišení:<br>- 1x 4096x2160/60Hz,<br>- 2x 3840x2160/60Hz<br>- 4x 2560x1600/60Hz,<br>podpora vícemonitorového zobrazování s využitím funkce rozšířené pracovní plochy, podpora osazení dvojice grafických adapterů |
| Síťová karta                       | Integrovaná, rychlost 10/100/1000 Mbit/s, WOL, PXE 2.0   |
| Audio                              | Integrovaná, 2-channel, interní repro  |
| Vstupní a výstupní porty           | Min.:<br>4x USB 3.0 externí, z toho 1 vpředu;<br>6x USB 2.0 externí, z toho 3 vpředu;<br>2x USB 2.0 interní;<br>4x Display Port v1.2, 1x serial, 2x PS2, 1x konektor pro sluchátka s mikrofonom, 1x linkový výstup, 1x RJ45  |
| Zabezpečení                        | Integrovaná technologie TPM, možnost zaheslování HDD   |
| Rozměry skříně V x Š x H           | Max: 420 x 180 x 480 mm  |
| Počet interních pozic              | Min. 2x 3.5" pro 3.5" nebo 2.5" pevné disky  |
| Počet externích pozic              | Min.: 1x pro optickou mechaniku, 1x 5.25"  |
| Interní pozice                     | Min.: 2x PCIe x16 Gen3, 1x PCIe x16 Gen3 (x8), 1x PCIe x4 Gen 2, 1x PCIe x1 Gen2, 1x PCI 32  |
| Napájecí zdroj                     | Interní zdroj 230V/50Hz, min. 800W, aktivní korekce PFC, účinností min. 90%, splňující standard 80Plus Gold  |
| Provedení skříně                   | Beznástrojový přístup do skříně a k hlavním komponentám PC, napájecí zdroj přístupný a vyjímatelný bez otevření skříně, spínač pro detekci otevření skříně   |
| Ostatní požadavky                  | Kompatibilita konfigurace s operačním systémem v minulé a předminulé verzi garantovaná výrobcem počítačové jednotky  |
| Operační systém (OS)               | Licence OS v poslední aktuálně dostupné verzi, opravňující uživatele k instalaci a používání minulé a předminulé verze OS.<br>OS musí umožňovat implementaci zařízení do domény zadavatele.<br>OS v poslední aktuálně dostupné verzi požadujeme předinstalovaný výrobcem počítačové jednotky na interním pevném disku.   |
| Klávesnice                         | Česká, multimediální, USB, standardní velikost a rozložení kláves, s oddělenou numerickou částí  |
| Myš                                | Laserová 6-ti tlačítková s kolečkem, USB   |
| <b>Monitor</b>                     |  |
| Typ, technologie, povrchová úprava | LCD panel s IPS technologií, LED podsvícením a antireflexní povrchovou úpravou   |
| Úhlopříčka - viditelný rozměr      | Min. 68cm  |
| Rozlišení,                         | Min. 3840x2160 při 60Hz, 16:9  |

|                                |  |
|--------------------------------|--|
| poměr stran                    |  |
| Kontrastní poměr typický       | Min. 1300:1  |
| Odezva (šedá/šedá)             | Max. 5 ms  |
| Jas                            | Min. 350 cd/m <sup>2</sup>   |
| Barevná hloubka / Sytost barev | Min. 1 miliarda barev / min.: 99.9% sRGB, 99.9% REC 709, 80.7% DCI P3, příp. srovnatelná sytost barev garantovaná jinou všeobecně uznávanou certifikační autoritou.  |
| Přesnost kalibrace barev       | Max. 2 Delta E   |
| Pozorovací úhel                | Min. 178° (vertikálně) 178° (horizontálně)   |
| Konektory                      | Min.: 1x DisplayPort v1.2; 1x mini DisplayPort v1.2; 1x HDMI v2.0; 1x USB 3.0 pro spojení s počítačovou jednotkou; 4x USB 3.0, z toho alespoň 2x USB 3.0 BC1.2 s nabíjecím proudem 2A a 2x USB 3.0 přístupné na boku zařízení; 1x audio výstup   |
| Stojan                         | Výškově nastavitelný o min. 130mm, změna sklonu o min. -5°/+21°, otočný okolo svislé osy o min. -45°/+45°, pivot, možnost integrovaného vedení kabeláže, kompatibilní s VESA 100x100mm   |
| Další požadavky                | Kompatibilita se stereo reproduktorovou lištou AC511 používanou pro ozvučování počítačových sestav a notebookových pracovišť.<br>Interní napájecí zdroj 230V/50Hz, spotřeba v provozním režimu – obvyklá do 30W, maximální do 100W, v pohotovostním režimu max. 0.3W.<br>Součásti dodávky: Monitor, napájecí kabel, DP kabel, USB 3.0 kabel na propojení s počítačovou jednotkou, SW výrobce tohoto monitoru pro správu a rozdělení obrazové plochy, protokol výrobce monitoru o provedení kalibrace obrazovky při výrobě. |
| <b>Záruka, podpora</b>         |  |
| Záruka                         | Min. 48 měsíců na celou sestavu.<br>Veškeré opravy počítačové jednotky autorizovaným technikem, opravy Monitoru, Klávesnice a Myši výměnným způsobem, dokončení opravy následující pracovní den po nahlášení závady v místě instalace.<br>Poskytování záručního plnění celé pracovní stanice v plném rozsahu garantováno výrobcem Počítačové jednotky.<br>Záruční plnění poskytované dodavatelem v souladu s autorizací výrobce pro poskytování záručního servisu a podpory.   |
| Technická podpora              | Podpora prostřednictvím internetu musí umožňovat stahování ovladačů a manuálů k zařízení z webových stránek výrobce zařízení, a to adresně pro konkrétní zadané produktové nebo sériové číslo zařízení, a bez ohledu na to, zda je/není zařízení v záruce.   |

Součástí plnění je mimo jiné:

- Dodávka vyjmenovaných zařízení do místa plnění dodávky
- Konfigurace HW a instalace OS
- Implementace vyjmenovaných zařízení do síťové infrastruktury
- Zaškolení administrátorů zadavatele v rozsahu nezbytném pro:
  - převzetí a správu vyjmenovaných zařízení
  - nastavení procesů jednotné správy aktualizací SW a uživatelských oprávnění
  - uplatňování nároků na poskytování záručního plnění a pozáručních servisních služeb
- Ekologická likvidace obalového materiálu
- Periodický dohled dodavatele nad správou vyjmenovaných zařízení po dobu 3 měsíců po předání předmětu dodávky



## Dell Precision Tower 5000 Series (5810)

Big power in a compact, innovative design



### Experience the evolution of productivity

Power resource-exhausting, graphics-intensive workloads with ease, featuring:

- Dell Precision Optimizer v 3.5, enhances application performance by optimizing settings, for up to 121 percent application performance improvement
- Intel® Xeon® processor E5-1600 v4 product family, with Intel Turbo Boost Max Technology 3.0 (on select SKUs) delivers the single threaded performance you need to complete complex tasks quickly
- Manage large data sets with ease, with up to 256GB<sup>1,2</sup> of quad-channel 2400MHz DDR4 ECC RDIMM memory
- Choose from a broad selection of professional grade AMD FirePro™ or NVIDIA® Quadro® graphics
- Optional Intel PCIe SSD drives and M.2 PCIe NVMe SSDs on the actively cooled Dell Precision Ultra-Speed Drive Duo/Quad deliver superb read/write throughput, combined with exceptional reliability.
- Intel CAS-W storage option enables performance that is near solid state drive speeds at a significantly reduced cost versus a full SSD storage solution<sup>3</sup>

### Reduce environmental impact

- Dell Precision Tower 5000 Series is EPEAT®-registered<sup>4</sup> and offers ENERGY STAR® configurations, including 80 PLUS®-registered Gold power supplies

### Reliability you can count on

- Exclusive Reliable Memory Technology (RMT) PRO maximizes uptime by eliminating virtually all memory errors for more stability
- The result of hundreds of rigorous testing, Independent Software Vendor (ISV) certifications ensure your high performance applications run smoothly

### Best-in-class chassis design

- Straightforward, clutter-free interior provides superb air flow, easy access to components for serviceability and modifications, and improved acoustics
- The only mainstream tower workstation family to offer an externally accessible tool-less (lockable) power supply for superior serviceability
- Integrated front and rear aluminum handles for easy deployment and moves
- Room for up to (3) 3.5" or (4) 2.5" tool-less hard drives
- 825W PSU option for high wattage graphics cards support in compact chassis.
- Easy rack mounting via 0U rail shelf kit<sup>5</sup>

### Exceptional Service & Support

- Rest assured that your Dell Precision workstation will be well protected should an issue arise, with a standard 3 year limited hardware warranty<sup>6,7,8</sup>

| Feature                       |   | Precision Tower 5000 Series (5810) Technical Specification  |   |  |  |  |
|-------------------------------|---|---|---|--|--|--|
| Processor Options             | Intel® Xeon® processor E5-1600 v4 Series, with Intel Turbo Boost Max 3.0 Technology on select SKUs, Select Intel Xeon E5-2600 v4 CPUs with up to 18 cores, Intel Advanced Vector Extensions, Intel Trusted Execution Technology, Intel AES New instructions, optional Intel vPro™ technology  |   |   |  |  |  |
| Operating System Options      | Windows® 10 Professional (64 bit)<br>Windows® 8.1 Professional (64-Bit)<br>Windows® 7 Professional (64-Bit)   |   | Red Hat® Enterprise Linux® 7.0 and 7.2 (required for Xeon E5-2600 v4 CPUs), RHEL 6.5 supported, 6.8 for E5-2600 v4<br>Ubuntu 14.04<br>NeoKylin 6.0 (China only) |  |  |  |
| Chipset                       | Intel® C612   |   |   |  |  |  |
| Memory Options                | Quad channel memory up to 256GB 2133MHz DDR4 RDIMM ECC memory, 8 DIMM Slots. (E5-2600 v4 CPUs ship with 2400MHz memory)<br>Note: memory speed is dependent on specific Intel Xeon E5-1600 v3 or E5-2600 v4 Series processor installed   |   |   |  |  |  |
| Graphics <sup>4</sup> Options | Support for 2 PCI Express® x16 Gen 2/Gen 3 graphics cards up to 500W (total graphics in 2 slots, (with 825W PSU))   |   |   |  |  |  |
|                               | <b>High end 3D cards:</b><br>AMD FirePro W8100<br>NVIDIA Quadro M6000<br>NVIDIA Quadro K6000<br>NVIDIA Quadro M5000   | <b>Mid-range 3D cards:</b><br>AMD FirePro W7100<br>AMD FirePro W5100<br>NVIDIA Quadro M4000<br>NVIDIA Quadro M2000<br>NVIDIA Quadro K2200                     | <b>Entry 3D cards:</b><br>AMD FirePro W4100<br>AMD FirePro W2100<br>NVIDIA Quadro K620<br>NVIDIA Quadro K420  | <b>Professional 2D cards:</b><br>NVIDIA NVS 510<br>NVIDIA NVS 315<br>NVIDIA NVS 310  |  |  |
| Storage Options               | Support for up to (4) M.2 PCIe SSDs and up to (3) 3.5" SATA or (4) 2.5" SATA/SAS drives. Optional controller required for SAS.  |   |   |  |  |  |
|                               | <b>M.2 PCIe SSD (NVMe)</b><br>Up to (4) 1TB drives on Dell Precision Ultra-Speed Drive Quad.<br><b>PCIe SSD HH/HL card</b> Up to (2) Intel 1.2TB PCIe SSD NVMe drives   | <b>2.5" SATA SSD</b><br>Up to (4) 1TB drives<br><b>2.5" SAS SSD</b><br>Up to (4) 400GB drives   | <b>2.5" SATA 7200 RPM</b><br>Up to (4) 512GB 7200 RPM   | <b>3.5" SATA</b><br>Up to (3) 4TB 5400 RPM   | <b>2.5" SAS 10K RPM 12Gb/s</b><br>Up to (4) 1.8TB<br><b>2.5" SAS 15K RPM 12Gb/s</b><br>Up to (4) 600GB | <b>2.5" Self Encrypting Drives</b><br>512GB 2.5" FIPS SED (OPAL 2.0) SSD |
| Storage Controller            | <b>Integrated:</b> Intel AHCI 6Gb/s SATA controller with six ports, two reserved for optical drives, Intel RSTe supports host based software RAID 0,1,5,10<br><b>Optional:</b> LSI MegaRAID® SAS 9341-8i 12Gb/s SAS (6Gb/s SATA) PCIe controller supports software RAID 0,1,5,10.<br>LSI MegaRAID® SAS 9361-8i 12Gb/s SAS (6Gb/s SATA) PCIe controller (1GB cache with Flash module/Super Cap backup) supports hardware RAID 0,1,5,10                         |   |   |  |  |  |
| Communications                | <b>Integrated:</b> Intel® i217 Gigabit Ethernet LAN 10/100/1000<br><b>Optional:</b> Intel® i210 10/100/1000 single port PCIe (x1) Gigabit network card, Intel® X540-T2 10GbE dual port PCIe (x8) network card.  |   |   |  |  |  |
| Audio Controller              | Integrated Realtek ALC3861 High Definition Audio Codec (2 Channel)  |   |   |  |  |  |
| Speakers                      | Internal Speaker; Optional Dell 2.0 stereo speaker systems available and Dell sound bar for select flat-panel displays  |   |   |  |  |  |
| Add-in cards                  | Optional: Dell Precision Ultra-Speed Drive Duo (HH/HLx8) & Ultra-Speed drive Quad (FH/FLx16) with active cooling. Support for up to 2 and 4 M.2 PCIe NVMe SSDs respectively.<br>Optional 1394 a/b PCIe Card (3 Ports – 2x 1394b + 1x 1394a)   |   |   | Optional dual & quad display Teradici PCoIP remote workstation host PCIe cards<br>Optional Thunderbolt 2 PCIe Card<br>Optional Serial Port PCIe Card |  |  |
| I/O Ports                     | <b>Front</b><br>3 – USB 2.0<br>1 – USB 3.0<br>1 – Microphone<br>1 – Headphone   | <b>Internal</b><br>1 – USB 2.0<br>1 2x5 USB 2.0 header. (Requires 3 <sup>rd</sup> party splitter cable to support 2 x USB 2.0 Type A ports)<br>4 – SATA 6Gb/s | <b>Rear</b><br>3 – USB 2.0<br>3 – USB 3.0<br>2 – PS2  | 1 – RJ45 Network Connector<br>1 – Serial<br>1 – Audio Line in/Microphone<br>1 – Audio Line out   |  |  |
| Chassis                       | <b>HxWxD:</b> 16.30 x 6.79 x 18.54"; 41.40cm x 17.25cm x 47.09cm<br><b>Bays:</b> (1) external slimline optical bay; (2) internal 3.5" bays (support total of (2) 3.5" or 2.5" drives); (1) external 5.25" bay<br><b>Slots:</b> (2) PCIe x16 Gen 3; (1) PCIe x16 Gen 3 (wired x8) half length; (1) PCIe x4 Gen 2; (1) PCIe x1 Gen 2; (1) PCI 32<br><b>Power Supply:</b> 825W, 685W, 425W 90% efficient (80PLUS Gold Certified) Externally accessible/removable |   |   |  |  |  |
| Storage devices               | <b>Slimline options:</b> DVD-ROM; DVD+/-RW. Optional <b>5.25" bay</b> devices: BD, DVD+/-RW; 19-in-1 media reader, 2 x 2.5" HDD/SSD kit   |   |   |  |  |  |
| Monitors                      | Dell UltraSharp Monitors – Award-winning high-performance monitors with PremierColor (on select models) and ultra-wide viewing, from 21.5" - 34" Dell Monitors (P models) available from 19" – 28".   |   |   |  |  |  |
| Security Options              | Trusted Platform Module (TPM 2.0 with Win 10, TPM 1.2 with Win 7/8.1); Chassis Intrusion switch; Setup/BIOS Password; I/O Interface Security; Kensington® lock slot, Padlock ring, lockable power supply; Dell Data Protection (DDP): DDP   Security Tools for authentication; DDP   Protected Workspace for malware; DDP   Encryption for data protection  |   |   |  |  |  |
| Regulatory & Environmental    | Energy Star® configurations available including 80 PLUS® registered Gold power supplies; EPEAT® registered (see epeat.net for specific registration rating/status by country); China CECP; GS Mark. For a complete listing of declarations & certifications, see Dell's regulatory & compliance homepage at <a href="http://dell.com/regulatory_compliance">dell.com/regulatory_compliance</a>  |   |   |  |  |  |
| Warranty & Support Services   | 3-Year Limited Hardware Warranty and 3-year NBD On-Site Service after Remote Diagnosis<br>Optional: Dell ProSupport is designed to rapidly respond to your business's needs, help protect your investment and sensitive data, and provide enhanced proactive support services to help reduce risk and complexity within your IT environment   |   |   |  |  |  |
| TAA Configurations            | Yes   |   |   |  |  |  |

Some options available only in select regions; ISV certification applies to select configurations 1. A 64-bit operating system is required to support 4GB or more of system memory; 2. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less. 3. Available in select regions. 4. See [epeat.net](http://epeat.net) for specific registration rating/status by country; 5. Available in select countries via S & P. 6. For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way Round Rock, TX 78682 or see [www.dell.com/warranty](http://www.dell.com/warranty); 7. Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply; 8. Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicesdescriptions](http://www.dell.com/servicesdescriptions); Copyright 2016 Dell Inc. All rights reserved. Intel and Xeon are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States of America and other countries. Microsoft, and Windows are trademarks or registered trademarks of Microsoft Corporation in the U.S. and other countries. Other trademarks or trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell disclaims proprietary interest in the marks and names of others. Reproduction in any manner whatsoever without express written permission from Dell Inc. is strictly forbidden.



# Productivity without boundaries.



DELL ULTRASHARP 27 4K MONITOR | U2718Q



## See the whole picture

Exceptional details on a virtually borderless screen — made for multitasking.



## Get it all done

Effortless to use.  
Easy on the eyes.



## Lifelike visuals

Rich colours, high contrast, brilliant images — Dell HDR.\*\*



## Highly reliable

Dell monitors — the number 1 monitor brand worldwide for four consecutive years.\*

# Productivity without boundaries.

## DELL ULTRASHARP 27 4K MONITOR | U2718Q



### SEE THE WHOLE PICTURE

Exceptional details, ultimate efficiency — a 27" 4K screen with incredibly thin bezels — ideal for multiple monitor setup.

- **Broaden your horizons:** The expansive 27" screen features InfinityEdge, a virtually borderless display on all four sides that lets you see more of your work.
- **Multiply your productivity:** Hone in on every task with a multi-monitor setup and experience a virtually seamless view thanks to ultrathin bezels.
- **Discover the details in stunning colour:** See every inch of your projects with Ultra HD (3480 x 2160) 4K resolution— that's four times sharper than Full HD displays. Plus, with an outstanding colour depth of 1.07 billion colours, you'll see precise, vivid images in each shade.

### LIFELIKE VISUALS

Images with striking depth captivate your attention and give each job a gorgeous finish.

- **A captivating sight:** Dell HDR\*\* combines greater depth of colours, remarkable clarity and a high contrast range of shades to create strikingly realistic images.
- **Colour consistency comes standard:** Factory calibrated at 99.9% sRGB coverage to an accuracy of Delta-E < 2, for precise hues right out of the box. Each monitor features a factory calibration report that guarantees colour correctness, so you can trust your projects reflect true colour intensity.
- **Uncompromised images:** View your HDR10 content\*\*\* like it was meant to be seen. Even your HDR photos will look like the real thing.

### GET IT ALL DONE

Multitask in comfort — multiple productivity-boosting features.

- **Multitasking made easy:** Tackle multiple tasks at once and stay organised thanks to Easy Arrange, a feature that lets you tile and view applications side by side.
- **Designed with you in mind:** Customise your view with a fully adjustable stand that tilts, swivels, and rotates 90° clockwise or counter-clockwise.
- **Easy on the eyes:** This monitor has a flicker-free screen with ComfortView, which filters out harmful blue light emissions to optimise eye comfort (TUV certified)<sup>1</sup>.

### SUPERB RELIABILITY

Comes with Dell's high reliability promise.

- From the #1 monitor brand worldwide for four consecutive years\*
- Enjoy peace of mind with Dell's Premium Panel Guarantee<sup>2</sup>.
- Minimise downtime with Dell's Advanced Exchange Service.<sup>3</sup>
- Upgrade to 24x7 phone support and Advanced Exchange Service with optional Dell ProSupport.<sup>7</sup>

FOR MORE INFORMATION  
VISIT [DELL.COM/MONITORS](https://www.dell.com/monitors)

Thank you  
for making  
Dell Monitors

**#1**  
worldwide\*

# Features & Technical Specifications

## DELL ULTRASHARP 27 4K MONITOR | U2718Q

### Display

|   |  |
|---|--|
| Model number                                  | U2718Q   |
| Viewable image size (diagonal)                | 68.47 cm (27 inches)   |
| Active display area                           |  |
| Horizontal                                    | 596.74 mm (23.49 inches)   |
| Vertical                                      | 335.66 mm (13.21 inches)   |
| Maximum resolution                            | 3840 x 2160 at 60Hz  |
| Aspect ratio                                  | 16:9   |
| Pixel pitch                                   | 0.1554 mm x 0.1554 mm  |
| Pixels per inch (PPI)                         | 163  |
| Brightness (typical)                          | 350 cd/m <sup>2</sup>  |
| Colour gamut (typical)                        | 99.9% sRGB with Delta-E < 2 (average), 99.9% Rec 709, 80.7% DCI-P3 |
| Colour depth                                  | 1.07 billion colours   |
| Contrast ratio (typical)                      | 1300: 1 (typical)  |
| Viewing angle (typical) (vertical/horizontal) | 178°/178°  |
| Response time                                 | 5ms (gray to gray) fast mode; 8ms normal mode                      |
| Panel technology                              | In-Plane Switching type; Antiglare with hard-coating 3H            |
| Backlight                                     | LED  |
| ComfortView with Flicker-free screen          | Yes  |
| Dell Display Manager                          | Yes with Dell Easy Arrange and other key features                  |
| Remote asset management                       | Yes, via Dell Command/Monitor                                      |
| Operating system supported                    | Windows 10, 8.1, 7   |
| Speakers                                      | Optional Dell 2.1 Speaker System - AE415                           |

### Connectivity

|                  |   |
|------------------|---|
| Connectors       | 1 x DP (ver. 1.2), 1 x mDP (ver. 1.2), 1 x HDMI (ver. 2.0), 1 x USB 3.0 port - Upstream, 4 x USB 3.0 ports, including 2 x USB 3.0 BC1.2 charging capability at 2A (max), audio line-out |
| Built-in devices | USB 3.0 super-speed Hub (4 x USB 3.0 downstream ports, with 2x USB 3.0 BC1.2 charging port at 2A max.)  |

### Design features

|                       |  |
|-----------------------|--|
| Stand                 | Tilt: -5°/21°, swivel: -45°/45°, pivot: 90° clockwise and counter-clockwise, height-adjustable: 130 mm |
| Security              | Security lock slot (security lock not included), anti-theft stand lock slot (to panel)                 |
| VESA mounting support | 100 mm x 100 mm  |

### Power

|  |  |
|--|--|
| AC input voltage/frequency/current     | 100 VAC to 240 VAC / 50 Hz or 60 Hz + 3 Hz / 1.5 A (typical) |
| Power consumption (typical)            | 30W  |
| Power consumption (ENERGY STAR®)       | 24.32 W  |
| Power consumption (standby/sleep mode) | <0.3 W   |

### Dimensions (with stand)

|                              |   |
|------------------------------|---|
| Height (compressed~extended) | 410.2 mm ~ 540.2 mm (16.15 inches ~ 21.27 inches) |
| Width                        | 611.3 mm (24.07 inches)                           |
| Depth                        | 200.3 mm (7.89 inches)                            |

### Weight

|                     |                    |
|---------------------|--------------------|
| Weight (panel only) | 3.70 kg (8.16 lb)  |
| Weight (with stand) | 6.55 kg (14.44 lb) |
| Shipping weight     | 9.40 kg (20.72 lb) |

### Standard service plan

3 Years Advanced Exchange Service<sup>3</sup> & Limited Hardware Warranty<sup>4</sup>, Premium Panel Guarantee<sup>2</sup>

### Optional service upgrade

Dell ProSupport<sup>7</sup>

### Environmental compliance

ENERGY STAR®, EPEAT® Gold<sup>5</sup>, RoHS Compliant, TCO-Certified Display, Arsenic-Free glass and Mercury-Free for the panel only.

### What's in the box?

#### Components

- Monitor with stand

#### Cables

- DisplayPort cable
- USB 3.0 upstream cable
- Power cable

#### Documentation

- Quick Setup Guide
- Drivers and documentation media
- Safety and regulatory information
- Factory Calibration Report

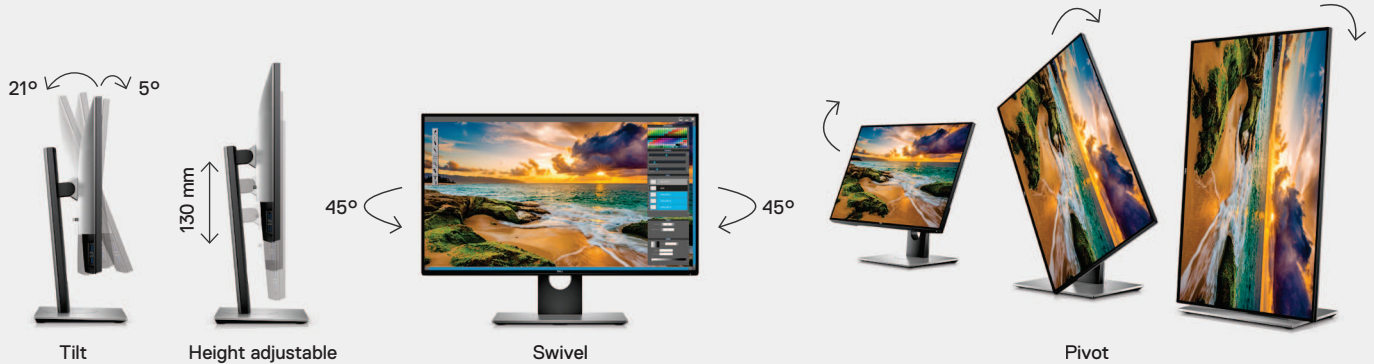


# Adjustability and connectivity



## DELL ULTRASHARP 27 4K MONITOR : U2718Q

Easily adjust the panel to your preferred viewing position.



## Connectivity



- |                                      |  |
|--------------------------------------|--|
| <b>A</b> AC power connector          | <b>F</b> USB upstream                            |
| <b>B</b> HDMI port connector         | <b>G</b> USB downstream                          |
| <b>C</b> DisplayPort in              | <b>H</b> USB downstream port with BC1.2 charging |
| <b>D</b> Mini DisplayPort in         | <b>I</b> Stand lock                              |
| <b>E</b> Audio line-out <sup>6</sup> |  |

† Registered in US and Canada only.

\* Dell monitors are #1 worldwide for 4 consecutive years (2013 to 2016). Source: IDC Worldwide PC Monitor Tracker (4Q16).

\*\* Dell's HDR feature has been designed with a PC user in mind and supports specifications that are different from existing TV standards for HDR. Please review the specs carefully for further details.

\*\*\*Dell HDR monitors require HDR10 enabled content from a compatible source like your service provider, a Blu-ray disc or a game.

1 TUV Certified (ID0000051369 – Flicker Free / ID0000051370 - Low Blue Light Content). For more details, visit [www.tuv.com](http://www.tuv.com)

2 In the event you discover even one bright pixel during the Limited Hardware Warranty period, a free panel exchange is guaranteed. (see pixel panel info located on Dell.com web page for complete details): <http://support.dell.com/support/topics/global.aspx/support/kcs/document?docid=414288>

3 Advanced Exchange Service: Replacement part/unit dispatched, if needed, following completion of phone/online diagnosis. Fee charged for failure to return defective unit. Availability varies. Other conditions apply.

4 For a copy of the Limited Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see [Dell.com/warranty](http://Dell.com/warranty).

5 EPEAT Gold registered in the U.S. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country.

6 Headphone usage and Dell Soundbar are not supported for the audio line out connector.

7 Includes 24x7 in-region phone support and replacement monitor shipped to you the next business day.

