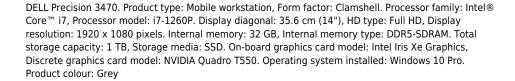# DELL Precision 3470 Mobile workstation 35.6 cm (14") Full HD Intel® Core™ i7 i7-1260P 32 GB DDR5-SDRAM 1 TB SSD NVIDIA Quadro T550 Wi-Fi 6E (802.11ax) Windows 10 Pro Grey

**Brand :** DELL      **Product family:** Precision      **Product code:** R9TP8

**Product name :** 3470

DELL Precision 3470. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1260P. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA Quadro T550. Operating system installed: Windows 10 Pro. Product colour: Grey

| **Design** | |
| --- | --- |
| Product type * | Mobile workstation |
| Product colour * | Grey |
| Form factor * | Clamshell |
| Market positioning | Business |

| **Display** | |
| --- | --- |
| Display diagonal * | 35.6 cm (14") |
| Display resolution * | 1920 x 1080 pixels |
| Touchscreen * | ✖ |
| HD type | Full HD |
| Panel type | WVA |
| LED backlight | ✔ |
| Native aspect ratio | 16:9 |
| Anti-glare screen | ✔ |
| Display brightness | 400 cd/m² |
| Pixel pitch | 0.161 x 0.161 mm |
| Pixel density | 157 ppi |
| RGB colour space | sRGB |
| Colour gamut | 100% |
| Display response rise/fall | 35 ms |
| Maximum refresh rate | 60 Hz |
| Contrast ratio (typical) | 1000:1 |

| **Processor** | |
| --- | --- |
| Processor manufacturer * | Intel |
| Processor generation | 12th gen Intel® Core™ i7 |
| Processor family * | Intel® Core™ i7 |
| Processor model * | i7-1260P |
| Processor boost frequency | 4.7 GHz |
| Processor threads | 16 |

| **Network** | |
| --- | --- |
| Ethernet LAN data rates | 10,100,1000 Mbit/s |
| Bluetooth | ✔ |
| MIMO | ✔ |

| **Ports & interfaces** | |
| --- | --- |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| Ethernet LAN (RJ-45) ports | 1 |
| HDMI ports quantity * | 1 |
| HDMI version | 2.0 |
| Thunderbolt 4 ports quantity | 2 |
| Intel® Thunderbolt 4 | ✔ |
| Combo headphone/mic port | ✔ |
| Charging port type | USB Type-C |
| USB Type-C DisplayPort Alternate Mode | ✔ |
| USB Power Delivery | ✔ |

| **Performance** | |
| --- | --- |
| Accelerometer | ✔ |
| Proximity sensor | ✔ |
| Hall sensor | ✔ |

| **Keyboard** | |
| --- | --- |
| Pointing device | Clickpad |
| Keyboard language | German |
| Numeric keypad * | ✖ |
| Keyboard backlit | ✔ |

| **Software** | |
| --- | --- |
| Operating system architecture | 64-bit |
| Windows 11 free upgrade | ✔ |

## Processor

| | |
|---|---|
| Processor cores | 12 |
| Processor cache | 18 MB |
| Configurable TDP-down | 20 W |
| Processor base power | 28 W |

## Memory

| | |
|---|---|
| Internal memory * | 32 GB |
| Internal memory type | DDR5-SDRAM |
| Memory clock speed | 4800 MHz |
| Memory form factor | SO-DIMM |
| Memory layout (slots x size) | 2 x 16 GB |
| Memory slots | 2x SO-DIMM |
| Maximum internal memory * | 64 GB |

## Storage

| | |
|---|---|
| Total storage capacity * | 1 TB |
| Storage media * | SSD |
| Total SSDs capacity | 1 TB |
| Number of SSDs installed | 1 |
| SSD capacity | 1 TB |
| SSD interface | NVMe, PCI Express 4.0 |
| NVMe | ✓ |
| SSD form factor | M.2 |
| SSD performance class | 40 |
| Optical drive type * | ✗ |
| Card reader integrated | ✓ |
| Compatible memory cards | MicroSD (TransFlash), MicroSDHC, MicroSDXC |

## Graphics

| | |
|---|---|
| Discrete GPU manufacturer | NVIDIA |
| Discrete graphics card model * | NVIDIA Quadro T550 |
| On-board graphics card * | ✓ |
| On-board GPU manufacturer | Intel |
| Discrete graphics card * | ✓ |
| On-board graphics card model * | Intel Iris Xe Graphics |
| Discrete graphics card memory | 4 GB |
| Discrete graphics memory type | GDDR6 |

## Audio

| | |
|---|---|
| Audio chip | Realtek ALC3204 |
| Audio system | MaxxAudio Pro |
| Number of built-in speakers | 2 |
| Speakers manufacturer | Waves |
| Speaker power | 2 W |
| Built-in microphone | ✓ |
| Number of microphones | 2 |

## Camera

| | |
|---|---|
| Front camera | ✓ |
| Front camera resolution (numeric) | 2.07 MP |
| Front camera resolution | 1920 x 1080 pixels |
| Front camera HD type | Full HD |
| Video capturing speed | 30 fps |
| Infrared (IR) camera | ✓ |

## Network

| | |
|---|---|
| Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) |
| Wi-Fi standards | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax) |
| Mobile network connection * | ✗ |
| Wi-Fi data rate (max) | 2400 Mbit/s |
| Antenna type | 2x2 |

## Software

| | |
|---|---|
| Operating system language | German, Dutch, English, French, Italian |
| Trial software | No Microsoft Office License Included 30 day Trial Offer Only |
| Operating system installed * | Windows 10 Pro |

## Processor special features

| | |
|---|---|
| Intel Flex Memory Access | ✓ |
| Intel Trusted Execution Technology | ✓ |
| Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Execute Disable Bit | ✓ |
| CPU configuration (max) | 1 |
| Embedded options available | ✗ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Intel Virtualization Technology (VT-x) | ✓ |

## Battery

| | |
|---|---|
| Battery technology | Lithium-Ion (Li-Ion) |
| Number of battery cells | 4 |
| Battery capacity * | 64 Wh |
| Battery voltage | 15.2 V |
| Battery recharge time | 2 h |
| Fast charging | ✓ |
| Battery weight | 283 g |

## Power

| | |
|---|---|
| AC adapter power | 130 W |
| AC adapter frequency | 50/60 Hz |
| AC adapter input voltage | 100 - 240 V |
| USB charging voltage | 20,5 V |
| USB charging current | 6.5 A |

## Security

| | |
|---|---|
| Cable lock slot | ✓ |
| Smart card reader | ✓ |
| Trusted Platform Module (TPM) | ✓ |
| Trusted Platform Module (TPM) version | 2.0 |
| Password protection | ✓ |

## Operational conditions

| | |
|---|---|
| Operating temperature (T-T) | 0 - 35 °C |
| Storage temperature (T-T) | -40 - 65 °C |
| Operating relative humidity (H-H) | 10 - 90% |
| Storage relative humidity (H-H) | 0 - 95% |
| Operating altitude | -15.2 - 3048 m |
| Non-operating altitude | -15.2 - 10668 m |
| Operating shock | 110 G |
| Non-operating shock | 160 G |
| Operating vibration | 0.66 G |
| Non-operating vibration | 1.3 G |

## Sustainability

| | |
|---|---|
| Sustainability certificates | ENERGY STAR, EPEAT Gold |

## Weight & dimensions

| | |
|---|---|
| Width | 321.4 mm |
| Depth | 212 mm |
| Height (front) | 2.1 cm |
| Height (rear) | 2.36 cm |
| Weight * | 1.49 kg |

| Network | | Packaging content | |
|---|---|---|---|
| WLAN controller model | Intel Wi-Fi 6E AX211 | Cables included | AC |
| WLAN controller manufacturer | Intel | | |
| Ethernet LAN | ✔ | | |

<br><br>

| Network | | Packaging content | |
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