



## DELL Pro 16 Plus PB16255 AMD Ryzen™ 5 220 Laptop 40.6 cm (16") Full HD+ 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Aluminium Czech, Slovakian

Brand : DELL

Product family: Pro

Product code: PCHWK

Product name : PB16255

DELL Pro 16 Plus PB16255. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 5, Processor model: 220, Processor frequency: 3.2 GHz. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: AMD Radeon 740M. Operating system installed: Windows 11 Pro. Product colour: Aluminium



| Design                      |                      | Network                                           |                                                |
|-----------------------------|----------------------|---------------------------------------------------|------------------------------------------------|
| Product type *              | Laptop               | Near Field Communication (NFC)                    | ✓                                              |
| Product colour *            | Aluminium            | <b>Ports &amp; interfaces</b>                     |                                                |
| Form factor *               | Clamshell            | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                                              |
| Display                     |                      | USB4 Gen 3x2 ports quantity                       | 2                                              |
| Display diagonal *          | 40.6 cm (16")        | Ethernet LAN (RJ-45) ports                        | 1                                              |
| Display resolution *        | 1920 x 1200 pixels   | HDMI ports quantity *                             | 1                                              |
| Touchscreen *               | ✗                    | HDMI version                                      | 2.1                                            |
| HD type                     | Full HD+             | Combo headphone/mic port                          | ✓                                              |
| Panel type                  | WVA                  | USB Type-C DisplayPort Alternate Mode             | ✓                                              |
| Native aspect ratio         | 16:10                | PowerShare                                        | ✓                                              |
| Anti-glare screen           | ✓                    | Number of USB ports with PowerShare support       | 1                                              |
| Display brightness          | 300 cd/m²            | Keyboard                                          |                                                |
| Pixel density               | 142 ppi              | Pointing device                                   | Touchpad                                       |
| RGB colour space            | NTSC                 | Numeric keypad *                                  | ✓                                              |
| Colour gamut                | 45%                  | Keyboard backlit                                  | ✓                                              |
| Maximum refresh rate        | 60 Hz                | Keyboard language                                 | Czech, Slovakian                               |
| Contrast ratio (typical)    | 1000:1               | Copilot key                                       | ✓                                              |
| Processor                   |                      | Software                                          |                                                |
| Processor manufacturer *    | AMD                  | Operating system architecture                     | 64-bit                                         |
| Processor family *          | AMD Ryzen™ 5         | Trial software                                    | Activate Your Microsoft 365 For A 30 Day Trial |
| Processor generation        | AMD Ryzen 200 Series | Operating system installed *                      | Windows 11 Pro                                 |
| Processor model *           | 220                  | Brand-specific features                           |                                                |
| Processor cores             | 6                    | Brand specific technologies                       | Express Charge Boost capable, TNR              |
| Processor threads           | 12                   | Battery                                           |                                                |
| Processor boost frequency   | 4.9 GHz              | Number of battery cells                           | 3                                              |
| Processor frequency *       | 3.2 GHz              | Battery capacity *                                | 55 Wh                                          |
| L3 cache                    | 16 MB                | Battery voltage                                   | 11.7 V                                         |
| L2 cache                    | 6 MB                 | Battery recharge time                             | 4 h                                            |
| Processor base power        | 15 W                 | Fast charging                                     | ✓                                              |
| Maximum turbo power         | 30 W                 |                                                   |                                                |
| Neural processor unit (NPU) |                      |                                                   |                                                |
| Neural processor unit (NPU) | ✗                    |                                                   |                                                |
| Memory                      |                      |                                                   |                                                |
| Internal memory *           | 16 GB                |                                                   |                                                |

| Memory                            |                                                                                                           | Battery                                      |                      |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------|
| Internal memory type              | LPDDR5x-SDRAM                                                                                             | Battery weight                               | 220 g                |
| Memory form factor                | On-board                                                                                                  | Power                                        |                      |
| Maximum internal memory *         | 16 GB                                                                                                     | AC adapter power                             | 65 W                 |
| Memory channels                   | Dual-channel                                                                                              | AC adapter frequency                         | 50 - 60 Hz           |
| Memory data transfer rate         | 7500 MT/s                                                                                                 | AC adapter input voltage                     | 100 - 240 V          |
| Storage                           |                                                                                                           | USB Type-C charging port *                   | ✓                    |
| Total storage capacity *          | 512 GB                                                                                                    | USB Type-C required charging power (min) *   | 45 W                 |
| Storage media *                   | SSD                                                                                                       | USB Type-C required charging power (max) *   | 100 W                |
| Total SSDs capacity               | 512 GB                                                                                                    | USB Power Delivery (USB PD)                  | ✓                    |
| Number of SSDs installed          | 1                                                                                                         | USB charging voltage                         | 5,9,15,20 V          |
| SSD capacity                      | 512 GB                                                                                                    | Security                                     |                      |
| SSD interface                     | PCI Express 4.0                                                                                           | Cable lock slot                              | ✓                    |
| NVMe                              | ✓                                                                                                         | Cable lock slot type                         | Wedge                |
| SSD form factor                   | M.2                                                                                                       | Fingerprint reader                           | ✓                    |
| M.2 SSD size                      | 2230 (22 x 30 mm)                                                                                         | Smart card reader                            | ✓                    |
| Optical drive type *              | ✗                                                                                                         | Face recognition                             | ✓                    |
| Card reader integrated            | ✓                                                                                                         | Trusted Platform Module (TPM)                | ✓                    |
| Compatible memory cards           | MicroSD (TransFlash)                                                                                      | Trusted Platform Module (TPM) version        | 2.0                  |
| Graphics                          |                                                                                                           | Operational conditions                       |                      |
| Discrete graphics card model *    | Not available                                                                                             | Operating temperature (T-T)                  | 0 - 35 °C            |
| On-board graphics card *          | ✓                                                                                                         | Storage temperature (T-T)                    | -40 - 65 °C          |
| On-board GPU manufacturer         | AMD                                                                                                       | Operating relative humidity (H-H)            | 10 - 90%             |
| Discrete graphics card *          | ✗                                                                                                         | Storage relative humidity (H-H)              | 0 - 95%              |
| On-board graphics card family     | AMD Radeon                                                                                                | Operating altitude                           | -15.2 - 3048 m       |
| On-board graphics card model *    | AMD Radeon 740M                                                                                           | Non-operating altitude                       | -15.2 - 10668 m      |
| Audio                             |                                                                                                           | Operating shock                              | 110 G                |
| Audio chip                        | Realtek ALC3329                                                                                           | Non-operating shock                          | 160 G                |
| Number of built-in speakers       | 2                                                                                                         | Operating vibration                          | 0.66 G               |
| Speaker power                     | 2.5 W                                                                                                     | Non-operating vibration                      | 1.3 G                |
| Built-in microphone               | ✓                                                                                                         | Weight & dimensions                          |                      |
| Number of microphones             | 2                                                                                                         | Width                                        | 358 mm               |
| Camera                            |                                                                                                           | Depth                                        | 251.4 mm             |
| Front camera                      | ✓                                                                                                         | Height                                       | 21.4 mm              |
| Front camera resolution (numeric) | 2.07 MP                                                                                                   | Weight *                                     | 1.86 kg              |
| Front camera resolution           | 1920 x 1080 pixels                                                                                        | Carbon footprint                             |                      |
| Front camera HD type              | Full HD                                                                                                   | Total carbon footprint (kg of CO2e)          | 124                  |
| Video capturing speed             | 30 fps                                                                                                    | Carbon emissions, manufacturing (kg of CO2e) | 94.12                |
| Infrared (IR) camera              | ✓                                                                                                         | Carbon emissions, logistics (kg of CO2e)     | 5.7                  |
| Privacy camera                    | ✓                                                                                                         | Carbon emissions, energy usage (kg of CO2e)  | 21.45                |
| Privacy type                      | Privacy shutter                                                                                           | Carbon emissions, end-of-life (kg of CO2e)   | 2.73                 |
| Network                           |                                                                                                           | PAIA version                                 | GaBi version 1, 2024 |
| Top Wi-Fi standard *              | Wi-Fi 7 (802.11be)                                                                                        | Packaging content                            |                      |
| Wi-Fi standards                   | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be) | AC adapter included *                        | ✓                    |
| Mobile network connection *       | ✗                                                                                                         |                                              |                      |
| Wi-Fi band                        | Tri-band (2.4 GHz / 5 GHz / 6 GHz)                                                                        |                                              |                      |
| Wi-Fi data rate (max)             | 2882 Mbit/s                                                                                               |                                              |                      |
| Antenna type                      | 2x2                                                                                                       |                                              |                      |
| WLAN controller model             | MediaTek MT7925                                                                                           |                                              |                      |
| WLAN controller manufacturer      | MediaTek                                                                                                  |                                              |                      |
| Bluetooth                         | ✓                                                                                                         |                                              |                      |



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### Catalog Object Cloud



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