

# ThinkPad A275 20KD001L++

Region  
EMEA

Machine Type  
20KD

TopSeller  
TopSeller

Processor  
AMD PRO A12-9800B (4C, 2.7 / 3.6GHz, 2MB)

Graphics  
Integrated AMD Radeon R7 Graphics

Memory  
8GBx1

Display  
12.5" FHD (1920x1080) IPS

Multi-touch  
None

Storage  
256GB SSD M.2 PCIe NVMe Opal2

Optical  
None

WLAN + Bluetooth  
11ac, 2x2 + BT4.1

WWAN  
WWAN Upgradable

SIM Card  
None

Smart Card Reader  
Smart Card Reader

Camera  
720p

Keyboard  
Backlit

Fingerprint Reader  
Fingerprint Reader

NFC  
None

TPM  
dTPM 2.0

Battery  
3-cell (23Wh) + 3-cell (23Wh)

Power Adapter  
45W

Operating System  
Windows 10 Pro 64

Warranty  
3-year, Onsite

End of Support  
Oct 26, 2023

Ann Date (mm/yy)  
09/17

## Note:

Country Code "US" is for United States, "++" is for EMEA countries (e.g. AD - Saudi, Arabia, AT - Austria, BM - Bulgaria, etc.), "xx" is for EAST countries (e.g. BM - Bulgaria, CX - Hungary, CY - Cyprus, etc.), and "\*\*\*" is for MEA countries (e.g. AD - Saudi, Arabia, ED - Egypt, EQ - Sweden, etc.). Please be aware that the EMEA/ EAST/MEA models listed above might not be available in all countries



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# ThinkPad A275 Platform Specifications

Product Specifications Reference (PSREF)

| Processor                                                        | AMD PRO A-Series APUs                                                                                                                                                                                                                                                         |                   |                      |                |                     |       |              |                         | Smart card reader                   | Optional: Smart card reader                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |             |                 |                      |                   |                   |             |                                                         |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------|----------------|---------------------|-------|--------------|-------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-----------------|----------------------|-------------------|-------------------|-------------|---------------------------------------------------------|
|                                                                  | Processor Number                                                                                                                                                                                                                                                              | # of Cores        | # of Threads         | Base Frequency | Max Turbo Frequency | Cache | Memory Types | Processor Graphics      | Media reader                        | 4-in-1 reader (MMC, SD, SDHC, SDXC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |             |                 |                      |                   |                   |             |                                                         |
|                                                                  | PRO A10-8730B                                                                                                                                                                                                                                                                 | 4                 | 4                    | 2.4 GHz        | 3.3 GHz             | 2MB   | DDR4-1866    | AMD Radeon™ R5 Graphics | Ports                               | Two USB 3.1 Gen 1 (USB 3.0, one Always On), USB 3.1 Type-C Gen 1, HDMI 1.4b, Ethernet (RJ-45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |             |                 |                      |                   |                   |             |                                                         |
|                                                                  | PRO A12-8830B                                                                                                                                                                                                                                                                 |                   |                      | 2.5 GHz        | 3.4 GHz             |       |              | AMD Radeon R7 Graphics  | Monitor cable (optional)            | HDMI to VGA: Lenovo HDMI to VGA Monitor Adapter<br>USB-C to VGA: Lenovo USB-C to VGA Adapter<br>USB-C to DP: Lenovo USB-C to DisplayPort Adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |             |                 |                      |                   |                   |             |                                                         |
|                                                                  | PRO A10-9700B                                                                                                                                                                                                                                                                 |                   |                      | 2.5 GHz        | 3.4 GHz             |       |              |                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |             |                 |                      |                   |                   |             |                                                         |
| PRO A12-9800B                                                    | 2.7 GHz                                                                                                                                                                                                                                                                       |                   |                      | 3.6 GHz        |                     |       |              |                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |             |                 |                      |                   |                   |             |                                                         |
| * Windows 7 is only supported by PRO A10-8730B and PRO A12-8830B |                                                                                                                                                                                                                                                                               |                   |                      |                |                     |       |              |                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |             |                 |                      |                   |                   |             |                                                         |
| Graphics                                                         | AMD Radeon R5 or R7 Graphics in processor only; supports external digital monitor via HDMI or USB Type-C; supports three independent displays; Max resolution: 4096x2160@60Hz (USB Type-C); 4096x2160@30Hz (HDMI)                                                             |                   |                      |                |                     |       |              |                         | Keyboard                            | 6-row, spill-resistant, multimedia Fn keys, optional LED backlight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |                 |                      |                   |                   |             |                                                         |
| Chipset                                                          | AMD SoC (System on Chip) platform                                                                                                                                                                                                                                             |                   |                      |                |                     |       |              |                         | UltraNav™                           | TrackPoint® pointing device and buttonless Mylar surface multi-touch touchpad                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |             |                 |                      |                   |                   |             |                                                         |
| Memory                                                           | 16GB max / 1866MHz DDR4, one DDR4 SO-DIMM socket                                                                                                                                                                                                                              |                   |                      |                |                     |       |              |                         | Security chip                       | Power-on password, hard disk password, supervisor password, security keyhole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |             |                 |                      |                   |                   |             |                                                         |
| Display                                                          | Some: 12.5" (317.5mm) HD (1366x768), anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio<br>Some: 12.5" (317.5mm) FHD (1920x1080), anti-glare, LED backlight, IPS, 300 nits, 16:9 aspect ratio, 700:1 contrast ratio, 170° viewing angle             |                   |                      |                |                     |       |              |                         | Security chip                       | dTPM 1.2: discrete TPM 1.2, TCG Certified<br>dTPM 2.0: discrete TPM 2.0, TCG Certified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |             |                 |                      |                   |                   |             |                                                         |
| Multi-touch (opt)                                                | On-cell touch, supports 10-finger gesture (FHD only, US only)                                                                                                                                                                                                                 |                   |                      |                |                     |       |              |                         | Fingerprint reader                  | Optional: Touch style match on chip fingerprint reader on the palm rest                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |             |                 |                      |                   |                   |             |                                                         |
| Storage                                                          | System has one HDD slot or one M.2 2280 slot exclusively for storage<br>Some: HDD / SATA 6.0Gb/s, 2.5" wide, 7mm high, Active Protection System™<br>Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high (e.g. xxxGB SSD)<br>Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 2, 16Gb/s<br>None |                   |                      |                |                     |       |              |                         | NFC                                 | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |             |                 |                      |                   |                   |             |                                                         |
| Optical                                                          | None                                                                                                                                                                                                                                                                          |                   |                      |                |                     |       |              |                         | Internal battery                    | Optional: Integrated Li-Ion or Li-Polymer 3-cell (23Wh)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |             |                 |                      |                   |                   |             |                                                         |
| Ethernet                                                         | Realtek® RTL8111EPV Gigabit Ethernet connection                                                                                                                                                                                                                               |                   |                      |                |                     |       |              |                         | External battery                    | Li-Ion 3-cell (23Wh) or 6-cell (48Wh)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |             |                 |                      |                   |                   |             |                                                         |
| WLAN                                                             | Realtek RTL8822BE, Wi-Fi 2x2 802.11ac + BT4.1, M.2 card                                                                                                                                                                                                                       |                   |                      |                |                     |       |              |                         | Max battery life (MobileMark® 2014) | <table><tr><th>Models</th><th>No + 3-cell</th><th>3-cell + 3-cell</th><th>3-cell + 6-cell 48Wh</th></tr><tr><td>Max battery life</td><td>5.05 hr</td><td>10.1 hr</td><td>15.6 hr</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                              | Models          | No + 3-cell | 3-cell + 3-cell | 3-cell + 6-cell 48Wh | Max battery life  | 5.05 hr           | 10.1 hr     | 15.6 hr                                                 |
| Models                                                           | No + 3-cell                                                                                                                                                                                                                                                                   | 3-cell + 3-cell   | 3-cell + 6-cell 48Wh |                |                     |       |              |                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |             |                 |                      |                   |                   |             |                                                         |
| Max battery life                                                 | 5.05 hr                                                                                                                                                                                                                                                                       | 10.1 hr           | 15.6 hr              |                |                     |       |              |                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |             |                 |                      |                   |                   |             |                                                         |
| Bluetooth™                                                       | Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter<br>* WLAN card supports BT4.2 but is limited to BT4.1 by Windows OS                                                                                                                                     |                   |                      |                |                     |       |              |                         | AC adapter                          | 45W AC adapter (slim tip) or 45W USB Type-C AC adapter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |             |                 |                      |                   |                   |             |                                                         |
| WWAN (optional)                                                  | One of the following, configurable by model: <ul style="list-style-type: none"><li>• Wireless WAN upgradable</li><li>• Integrated Mobile Broadband 4G LTE-A, Qualcomm® Snapdragon™ X7 LTE-A (Sierra Wireless EM7455)</li></ul>                                                |                   |                      |                |                     |       |              |                         | Preload                             | Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 10 Pro 64 <ul style="list-style-type: none"><li>• Lenovo Solution Center</li><li>• Lenovo PowerEngage</li><li>• ThinkVantage Product Recovery</li><li>• ThinkVantage System Update</li><li>• Adobe® Reader®</li><li>• Microsoft® Office preloaded; purchase a product key to activate</li><li>• McAfee® LiveSafe™ (30-day trial)</li></ul> Some: Windows 10 Home 64<br>Some: Windows 10 Pro 64 <ul style="list-style-type: none"><li>• Lenovo Companion</li><li>• Lenovo Setting</li><li>• Microsoft Office preloaded; purchase a product key to activate</li></ul> |                 |             |                 |                      |                   |                   |             |                                                         |
| SIM card (opt)                                                   | Micro-SIM card slot, opt Verizon LTE (US) SIM card                                                                                                                                                                                                                            |                   |                      |                |                     |       |              |                         | Limited warranty                    | One of the following, configurable by model: <ul style="list-style-type: none"><li>• 1-year depot repair service</li><li>• 3-year/1-yr battery depot repair service</li><li>• 3-year/1-yr battery limited onsite service</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                              |                 |             |                 |                      |                   |                   |             |                                                         |
| Dimensions                                                       | WxDxH: 12.03" x 8.21" x 0.80"; 305.5mm x 208.5mm x 20.3mm                                                                                                                                                                                                                     |                   |                      |                |                     |       |              |                         | Mil-Spec test                       | MIL-STD-810G military certification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |             |                 |                      |                   |                   |             |                                                         |
| Weight                                                           | <table><tr><th>Models</th><th>No + 3-cell</th><th>3-cell + 3-cell</th><th>3 + 6-cell</th></tr><tr><td>Weight</td><td>2.79 lb / 1.27 kg</td><td>2.98 lb / 1.36 kg</td><td>3.33 lb / 1.52 kg</td></tr></table>                                                                  |                   |                      |                |                     |       |              |                         | Models                              | No + 3-cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3-cell + 3-cell | 3 + 6-cell  | Weight          | 2.79 lb / 1.27 kg    | 2.98 lb / 1.36 kg | 3.33 lb / 1.52 kg | Environment | EPEAT™ Gold (US only); ENERGY STAR® 6.1; RoHS-compliant |
| Models                                                           | No + 3-cell                                                                                                                                                                                                                                                                   | 3-cell + 3-cell   | 3 + 6-cell           |                |                     |       |              |                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |             |                 |                      |                   |                   |             |                                                         |
| Weight                                                           | 2.79 lb / 1.27 kg                                                                                                                                                                                                                                                             | 2.98 lb / 1.36 kg | 3.33 lb / 1.52 kg    |                |                     |       |              |                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |             |                 |                      |                   |                   |             |                                                         |
| Case color                                                       | Black                                                                                                                                                                                                                                                                         |                   |                      |                |                     |       |              |                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |             |                 |                      |                   |                   |             |                                                         |
| Case material                                                    | Glass-Fiber Reinforced Plastic                                                                                                                                                                                                                                                |                   |                      |                |                     |       |              |                         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |             |                 |                      |                   |                   |             |                                                         |

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September 2017

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