



## Lenovo ThinkPad P70 Intel® Xeon® E3 v5 E3-1505MV5 Mobiler Arbeitsplatz 43,9 cm (17.3") 4K Ultra HD 32 GB DDR4-SDRAM 1,02 TB SSD NVIDIA® Quadro® M5000M Wi-Fi 5 (802.11ac) Windows 7 Professional Schwarz



Marke : Lenovo

Produktfamilie: ThinkPad

Artikel-Code: 20ES0005MS

Produktname : P70



43.942 cm (17.3 ") 4K LED 3840 x 2160, Intel Xeon E3-1505M v5 (2.8 GHz), 32GB DDR4, 2 x 512GB SSD, NVIDIA Quadro M5000M 8GB, Gigabit Ethernet, WLAN 802.11 ac/a/b/g/n, Bluetooth, Windows 7 Pro 64-Bit

Lenovo ThinkPad P70. Produkttyp: Mobiler Arbeitsplatz, Formfaktor: Klappgehäuse. Prozessorfamilie: Intel® Xeon® E3 v5, Prozessor: E3-1505MV5, Prozessor-Taktfrequenz: 2,8 GHz. Bildschirmdiagonale: 43,9 cm (17.3"), HD-Typ: 4K Ultra HD, Display-Auflösung: 3840 x 2160 Pixel. Speicherkapazität: 32 GB, Interner Speichertyp: DDR4-SDRAM. Gesamtspeicherkapazität: 1,02 TB, Speichermedien: SSD, Optisches Laufwerk - Typ: DVD±RW. Installiertes Betriebssystem: Windows 7 Professional. Produktfarbe: Schwarz

| Design                                |                        | Anschlüsse und Schnittstellen                         |                        |
|---------------------------------------|------------------------|-------------------------------------------------------|------------------------|
| Produkttyp *                          | Mobiler Arbeitsplatz   | USB-Ports - Schlafen-und-Laden                        | 1                      |
| Produktfarbe *                        | Schwarz                | <b>Leistungen</b>                                     |                        |
| Formfaktor *                          | Klappgehäuse           | Motherboard Chipsatz                                  | Intel CM236            |
| Bildschirm                            |                        | <b>Tastatur</b>                                       |                        |
| Bildschirmdiagonale *                 | 43,9 cm (17.3")        | Eingabegerät                                          | ThinkPad UltraNav      |
| Display-Auflösung *                   | 3840 x 2160 Pixel      | Numerisches Keypad *                                  | ✓                      |
| Touchscreen *                         | ✗                      | Tastatur mit Hintergrundbeleuchtung                   | ✓                      |
| HD-Typ                                | 4K Ultra HD            | Spritzwassergeschützte Tastatur                       | ✓                      |
| Panel-Typ                             | IPS                    | Windows Tasten                                        | ✓                      |
| LED-Hintergrundbeleuchtung            | ✓                      | <b>Software</b>                                       |                        |
| Natives Seitenverhältnis              | 16:9                   | Betriebssystemarchitektur                             | 64-Bit                 |
| Prozessor                             |                        | Installiertes Betriebssystem *                        | Windows 7 Professional |
| Prozessorhersteller *                 | Intel                  | <b>Prozessor Besonderheiten</b>                       |                        |
| Prozessorfamilie *                    | Intel® Xeon® E3 v5     | Intel® Wireless-Display (Intel® WiDi)                 | ✓                      |
| Prozessor *                           | E3-1505MV5             | Intel® My-WiFi-Technik (Intel® MWT)                   | ✓                      |
| Anzahl Prozessorkerne                 | 4                      | Intel® Smart-Response-Technologie                     | ✓                      |
| Prozessor-Threads                     | 8                      | Intel® Identity-Protection-Technologie (Intel® IPT)   | ✓                      |
| Prozessor Boost-Frequenz              | 3,7 GHz                | Intel® Hyper-Threading-Technik (Intel® HT Technology) | ✓                      |
| Prozessor-Taktfrequenz *              | 2,8 GHz                | Intel® Turbo-Boost-Technologie                        | 2.0                    |
| Systembus-Rate                        | 8 GT/s                 | Intel® Small-Business-Advantage (Intel® SBA)          | ✓                      |
| Prozessor-Cache                       | 8 MB                   | Verbesserte Intel SpeedStep Technologie               | ✓                      |
| Prozessor Cache Typ                   | Smart Cache            | Intel® Clear Video HD Technology für (Intel® CVT HD)  | ✓                      |
| Prozessorsockel                       | BGA 1440               | Intel® Clear Video Technologie                        | ✓                      |
| Prozessor Lithografie                 | 14 nm                  | Intel® InTru™ 3D Technologie                          | ✓                      |
| Prozessorbetriebsmodi                 | 64-Bit                 | Intel® Insider™                                       | ✓                      |
| Prozessor-Serien                      | Intel Xeon E3-1500M v5 | Intel® Quick-Sync-Video-Technik                       | ✓                      |
| Prozessor Codename                    | Skylake                | Intel® Flex Memory Access                             | ✓                      |
| Bus Typ                               | DMI3                   | Intel® AES New Instructions (Intel® AES-NI)           | ✓                      |
| Stepping                              | R0                     |                                                       |                        |
| Thermal Design Power (TDP)            | 45 W                   |                                                       |                        |
| TDP-down konfigurierbar               | 35 W                   |                                                       |                        |
| Tjunction                             | 100 °C                 |                                                       |                        |
| Maximale Anzahl der PCI-Express-Lanes | 16                     |                                                       |                        |
| PCI-Express-Slots-Version             | 3.0                    |                                                       |                        |
| PCI Express Konfigurationen           | 1x16, 2x8, 1x8+2x4     |                                                       |                        |
| ECC vom Prozessor unterstützt         | ✓                      |                                                       |                        |

| Speicher                                                    |                                                                  | Prozessor Besonderheiten                                                       |                         |
|-------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------|
| Speicherkapazität *                                         | 32 GB                                                            | Intel® Trusted-Execution-Technik                                               | ✓                       |
| Interner Speichertyp                                        | DDR4-SDRAM                                                       | Intel® Enhanced Halt State                                                     | ✓                       |
| Speichertaktfrequenz                                        | 2133 MHz                                                         | Intel® VT-x mit Extended Page Tables (EPT)                                     | ✓                       |
| Memory Formfaktor                                           | SO-DIMM                                                          | Intel® Sicherer Schlüssel                                                      | ✓                       |
| Speicherlayout                                              | 4 x 8 GB                                                         | Intel® TSX-NI                                                                  | ✓                       |
| Speicherkartensteckplätze                                   | 4x SO-DIMM                                                       | Intel Stable Image Platform Program (SIPP)                                     | ✓                       |
| RAM-Speicher maximal *                                      | 64 GB                                                            | Intel® OS Guard                                                                | ✓                       |
| Speichermedium                                              |                                                                  | Intel® Software Guard Extensions (Intel® SGX)                                  | ✓                       |
| Gesamtspeicherkapazität *                                   | 1,02 TB                                                          | Intel® Clear Video Technology für Mobile Internet Devices (Intel® CVT for MID) | ✓                       |
| Speichermedien *                                            | SSD                                                              | Intel® 64                                                                      | ✓                       |
| Anzahl SSD installiert                                      | 2                                                                | Execute Disable Bit                                                            | ✓                       |
| SSD Speicherkapazität                                       | 512 GB                                                           | Leerlauf Zustände                                                              | ✓                       |
| Optisches Laufwerk - Typ *                                  | DVD±RW                                                           | Thermal-Überwachungstechnologien                                               | ✓                       |
| Integrierter Kartenleser                                    | ✓                                                                | Prozessor-Paketgröße                                                           | 42 x 28 mm              |
| Kompatible Speicherkarten                                   | MMC, SD, SDHC, SDXC                                              | Unterstützte Befehlssätze                                                      | SSE4.1, SSE4.2, AVX 2.0 |
| Grafik                                                      |                                                                  | Prozessor-Code                                                                 | SR2FN                   |
| Separates Grafikkartenmodell *                              | NVIDIA® Quadro® M5000M                                           | CPU Konfiguration (max)                                                        | 1                       |
| Separater Grafik-Adapterspeicher                            | 8 GB                                                             | Eingebettete Optionen verfügbar                                                | ✓                       |
| Eingebaute Grafikkadaper *                                  | ✓                                                                | Graphics & IMC lithography                                                     | 14 nm                   |
| Separater Grafikkadaper *                                   | ✓                                                                | Intel® Virtualisierungstechnik für direkte I/O (VT-d)                          | ✓                       |
| On-Board-Grafikkadaperfamilie                               | Intel® HD Graphics                                               | Intel® Identity Protection Technologieversion                                  | 1,00                    |
| Eingebautes Grafikkartenmodell *                            | Intel® HD Graphics P530                                          | Intel® Smart Response Technologieversion                                       | 1,00                    |
| On-Board Grafikkadaper Basisfrequenz                        | 350 MHz                                                          | Intel® Stable Image Platform Program (SIPP) Version                            | 1,00                    |
| Maximale dynamische Frequenz der On-Board Grafikkadaper     | 1050 MHz                                                         | Intel® Secure Key Technologieversion                                           | 1,00                    |
| Maximaler integrierter Grafik-Adapterspeicher               | 1,7 GB                                                           | Intel® Small Business Advantage (SBA) Version                                  | 1,00                    |
| On-Board Grafikkadaper DirectX Version                      | 12.0                                                             | Intel® TSX-NI-Version                                                          | 1,00                    |
| On-Board Grafikkadaper OpenGL Version                       | 4.4                                                              | Intel® Virtualization Technologie (VT-X)                                       | ✓                       |
| On-Board Grafikkadaper Geräte-ID                            | 0x191D                                                           | ARK Prozessorerkennung                                                         | 89608                   |
| Audio                                                       |                                                                  | Konfliktloser-Prozessor                                                        | ✓                       |
| Anzahl eingebauter Lautsprecher                             | 2                                                                | Akku/Batterie                                                                  |                         |
| Lautsprecherleistung                                        | 2 W                                                              | Akku-/Batterietechnologie                                                      | Lithium-Ion (Li-Ion)    |
| Eingebautes Mikrofon                                        | ✓                                                                | Anzahl Batteriezellen                                                          | 8                       |
| Kamera                                                      |                                                                  | Batteriekapazität *                                                            | 96 Wh                   |
| Frontkamera                                                 | ✓                                                                | Akku-/Batteriebetriebsdauer                                                    | 8,5 h                   |
| Netzwerk                                                    |                                                                  | Energie                                                                        |                         |
| WLAN                                                        | ✓                                                                | Netzteilstärke                                                                 | 270 W                   |
| Top WLAN-Standard *                                         | Wi-Fi 5 (802.11ac)                                               | Gleichstrom-Anschluss (DC)                                                     | ✓                       |
| WLAN-Standards                                              | 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n) | Sicherheit                                                                     |                         |
| Ethernet/LAN                                                | ✓                                                                | Kabelsperr-Slot                                                                | ✓                       |
| Ethernet LAN Datentransferraten                             | 10,100,1000 Mbit/s                                               | Fingerabdruckscanner                                                           | ✓                       |
| Bluetooth                                                   | ✓                                                                | Trusted Platform Module (TPM)                                                  | ✓                       |
| Bluetooth-Version                                           | 4.1                                                              | Passwortschutz                                                                 | ✓                       |
| Anschlüsse und Schnittstellen                               |                                                                  | Gewicht und Abmessungen                                                        |                         |
| USB 3.2 Gen 1 (3.1 Gen 1) Anzahl der Anschlüsse vom Typ A * | 4                                                                | Breite                                                                         | 416 mm                  |
| USB 3.2 Gen 1 (3.1 Gen 1) Anzahl der Anschlüsse vom Typ C * | 2                                                                | Tiefe                                                                          | 275,5 mm                |
| Anzahl Ethernet-LAN-Anschlüsse (RJ-45)                      | 1                                                                | Höhe (vorne)                                                                   | 2,99 cm                 |
| Anzahl HDMI-Anschlüsse *                                    | 1                                                                | Höhe (hinten)                                                                  | 3,42 cm                 |
| Anzahl Mini DisplayPorts                                    | 1                                                                |                                                                                |                         |
| DVI Anschluss                                               | ✗                                                                |                                                                                |                         |

| Anschlüsse und Schnittstellen              |   | Gewicht und Abmessungen     |               |
|--------------------------------------------|---|-----------------------------|---------------|
| Kombinierter Kopfhörer-/Mikrofon-Anschluss | ✓ | Gewicht *                   | 3,3 kg        |
| Docking-Connector                          | ✓ | Lieferumfang                |               |
| ExpressCard-Slot                           | ✓ | AC-Netzadapter *            | ✓             |
| SmartCard-Slot                             | ✓ | Sonstige Funktionen         |               |
| USB - Schlafen-und-Laden                   | ✓ | Intel® Segmentkennzeichnung | Professionell |

## Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.