



## Lenovo ThinkPad X1 Carbon (5th Gen) Intel® Core™ i7 i7-7500U

### Bärbar dator 35,6 cm (14") Full HD 8 GB LPDDR3-SDRAM 512 GB SSD Windows 10 Pro Svart



**Märke :** Lenovo

**Produktfamilj:** ThinkPad

**Produktkod:** 20HR0058US

**Product name :** ThinkPad X1  
Carbon (5th Gen)

Lenovo ThinkPad X1 Carbon (5th Gen). Produkttyp: Bärbar dator, Formfaktor: Clamshell. Processorfamilj: Intel® Core™ i7, Processor: i7-7500U, Processorfrekvens: 2,7 GHz. Skärm diagonal: 35,6 cm (14"), HD-typ: Full HD, Upplösning: 1920 x 1080 pixlar. Internminne: 8 GB, Typ av internminne: LPDDR3-SDRAM. Total lagringskapacitet: 512 GB, Lagringsmedia: SSD. Ombord grafikkort modell: Intel® HD Graphics 620. Installerat operativsystem: Windows 10 Pro. Produktens färg: Svart

| Design                         |                                   | Tangentbord                                              |                |
|--------------------------------|-----------------------------------|----------------------------------------------------------|----------------|
| Produkttyp *                   | Bärbar dator                      | Tangentbord med bakgrundsbelysning                       | ✓              |
| Produktens färg *              | Svart                             | Spillresistent tangentbord                               | ✓              |
| Formfaktor *                   | Clamshell                         | Windowstangent                                           | ✓              |
| Positionering på marknaden     | Business                          |                                                          |                |
| Display                        |                                   | Programvara                                              |                |
| Skärm diagonal *               | 35,6 cm (14")                     | Operativsystemets systemarkitektur                       | 64-bit         |
| Upplösning *                   | 1920 x 1080 pixlar                | Installerat operativsystem *                             | Windows 10 Pro |
| Pekskärm *                     | ✗                                 |                                                          |                |
| HD-typ                         | Full HD                           | Processor specialfunktioner                              |                |
| Paneltyp                       | IPS                               | Intel® Wireless Display (Intel® WiDi)                    | ✓              |
| LED-bakgrundsbelysning         | ✓                                 | Intel® My WiFi Technology (Intel® MWT)                   | ✓              |
| Native bildförhållande         | 16:9                              | Intel® Smart Response Technology                         | ✓              |
| Skärmytskikt                   | Mätt                              | Intel® Identity Protection Technology (Intel® IPT)       | ✓              |
| Skärmform                      | Platt                             | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓              |
| Processor                      |                                   | Intel® Turbo Boost Technology                            | 2.0            |
| Processortillverkare *         | Intel                             | Intel® Small Business Advantage (Intel® SBA)             | ✓              |
| Processorfamilj *              | Intel® Core™ i7                   | Förstärkt Intel Speedstep Technology                     | ✓              |
| Processorgenerering            | 7:e generationens Intel® Core™ i7 | Intel® Clear Video HD Technology (Intel® CVT HD)         | ✓              |
| Processor *                    | i7-7500U                          | Intel Clear Video Technology                             | ✓              |
| Processorkärnor                | 2                                 | Intel® InTru™ 3D-teknik                                  | ✓              |
| Processortrådar                | 4                                 | Intel® Insider™                                          | ✓              |
| Processorboostfrekvens         | 3,5 GHz                           | Intel® Quick Sync Video Technology                       | ✓              |
| Processorfrekvens *            | 2,7 GHz                           | Intel® Flex minnesåtkomst                                | ✓              |
| Systembuss, hastighet          | 4 GT/s                            | Intel® AES nya instruktioner (Intel® AES-NI)             | ✓              |
| Processorns cache              | 4 MB                              | Intel® Trusted Execution Technology                      | ✗              |
| Processorns cachetyp           | Smart Cache                       | Intel® Förbättrad Halt State                             | ✓              |
| Processorsockel                | BGA 1356                          | Intel® VT-x med utökad Sida Tabeller (EPT)               | ✓              |
| Processorlitografi             | 14 nm                             | Intel® Secure Key                                        | ✓              |
| Processorns driftlägen         | 64-bit                            | Intel® TSX-NI                                            | ✗              |
| Processorns kodnamn            | Kaby Lake                         |                                                          |                |
| Busstyp                        | OPI                               |                                                          |                |
| Stegning                       | H0                                |                                                          |                |
| Värmeavledningseffekt (TDP)    | 15 W                              |                                                          |                |
| Konfigurerbar TDP-uppfrekvens  | 2,9 GHz                           |                                                          |                |
| Konfigurerbar TDP-up           | 25 W                              |                                                          |                |
| Konfigurerbar TDP-down         | 7,5 W                             |                                                          |                |
| Konfigurerbar TDP-downfrekvens | 0,8 GHz                           |                                                          |                |

| Processor                                         |                                                                  | Processor specialfunktioner                                |                           |
|---------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------|---------------------------|
| T-junction                                        | 100 ° C                                                          | Intel® Stable Image Platform Program (SIPP)                | ✗                         |
| Högsta antal PCI Express-platser                  | 12                                                               | Intel® OS Guard                                            | ✓                         |
| PCI Express-kortplatser version                   | 3.0                                                              | Intel Software Guard Extensions (Intel SGX)                | ✓                         |
| PCI Express konfigurationer                       | 1x2+2x1, 1x4, 2x2, 4x1                                           | Intel® Clear Video Technology för MID (Intel® CVT for MID) | ✓                         |
| Processor med ECC-stöd                            | ✗                                                                | Intel® 64                                                  | ✓                         |
| Minne                                             |                                                                  | Execute Disable Bit-säkerhet                               | ✓                         |
| Internminne *                                     | 8 GB                                                             | Idle stater                                                | ✓                         |
| Typ av internminne                                | LPDDR3-SDRAM                                                     | Termiska övervakningsteknik                                | ✓                         |
| Minne klockhastighet                              | 1866 MHz                                                         | Processorns förpackningsstorlek                            | 42 x 24 mm                |
| Minnets formfaktor                                | Integrerat                                                       | Stödda instruktionsset                                     | AVX 2.0, SSE4.1, SSE4.2   |
| Maximalt internminne *                            | 8 GB                                                             | Processorkod                                               | SR2ZV                     |
| Lagringsmedia                                     |                                                                  | CPU konfiguration (max)                                    | 1                         |
| Total lagringskapacitet *                         | 512 GB                                                           | Inbäddade alternativ                                       | ✗                         |
| Lagringsmedia *                                   | SSD                                                              | Grafik & IMC litografi                                     | 14 nm                     |
| Antalet installerade SSD                          | 1                                                                | Intel® Virtualization Technology for Directed I/O (VT-d)   | ✓                         |
| Solid-state drive kapacitet                       | 512 GB                                                           | Intel Identity Protection Technology-version               | 1,00                      |
| SSD-diskens formfaktor                            | M.2                                                              | Intel Smart Response Technology-version                    | 1,00                      |
| Optisk enhetstyp *                                | ✗                                                                | Intel Stable Image Platform Program (SIPP)-version         | 0,00                      |
| Inbyggd kortläsare                                | ✓                                                                | Intel Secure Key Technology-version                        | 1,00                      |
| Typ av minneskort                                 | MicroSD (TransFlash)                                             | Intel TSX-NI-version                                       | 0,00                      |
| Grafiken                                          |                                                                  | Intel Virtualization Technology (VT-x)                     | ✓                         |
| Diskret grafik kortmodell *                       | Ej tillgänglig                                                   | ARK-ID för processor                                       | 95451                     |
| Ombord grafik kort *                              | ✓                                                                | Etisk processor (Conflict Free)                            | ✓                         |
| Diskret grafik kort *                             | ✗                                                                | Batteri                                                    |                           |
| Familj av inbyggda grafik kort                    | Intel® HD Graphics                                               | Batteriteknik                                              | Litium Polymer (LiPo)     |
| Ombord grafik kort modell *                       | Intel® HD Graphics 620                                           | Antalet battericeller                                      | 3                         |
| Basfrekvens för inbyggt grafik kort               | 300 MHz                                                          | Batterikapacitet (wattimmar) *                             | 57 wh                     |
| Högsta dynamiska frekvens för inbyggt grafik kort | 1050 MHz                                                         | Drifttid för batteri                                       | 15,5 h                    |
| Maximalt inbyggt grafik adapterminne              | 32 GB                                                            | Strömtillförsel                                            |                           |
| DirectX-version på inbyggt grafik kort            | 12.0                                                             | AC-adapter, effektförlust                                  | 65 W                      |
| OpenGL-version på inbyggt grafik kort             | 4.4                                                              | AC-adapter, frekvens                                       | 50 - 60 hz                |
| Grafik enhets-ID                                  | 0x5916                                                           | AC-adapter, inspänning                                     | 100 - 240 V               |
| Audio                                             |                                                                  | Bevakning                                                  |                           |
| Antal inbyggda högtalare                          | 2                                                                | Produktvikt (oz)                                           | ✓                         |
| Högtalareffekt                                    | 2 W                                                              | Fingeravtrycksläsare                                       | ✓                         |
| Inbyggd mikrofon                                  | ✓                                                                | Trusted Platform Module (TPM)                              | ✓                         |
| Kamera                                            |                                                                  | Lösenordsskydd                                             | ✓                         |
| Främre kamera                                     | ✓                                                                | Lösenordsskydd                                             | HDD, Ström på, Supervisor |
| Signalformat för frontkamera                      | 720p                                                             | Certifikat                                                 |                           |
| Nätverk                                           |                                                                  | Certifikat för överensstämmelse                            | RoHS                      |
| Wi-Fi                                             | ✓                                                                | Hållbarhet                                                 |                           |
| Wi-Fi-standarder                                  | 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n) | Hållbarhetscertifiering                                    | EPEAT Gold, ENERGY STAR   |
| Nätverksansluten (Ethernet)                       | ✗                                                                | Vikt & dimension                                           |                           |
| Bluetooth                                         | ✓                                                                | Bredd                                                      | 323,5 mm                  |
| Bluetooth-version                                 | 4.1                                                              | Djup                                                       | 217,1 mm                  |
| Anslutningar                                      |                                                                  | Höjd                                                       | 15,9 mm                   |
| Antal USB 3.2 Gen 1 (3.1 Gen 1) typ A-portar *    | 2                                                                | Vikt *                                                     | 1,13 kg                   |
| Antal USB 3.2 Gen 2 (3.1 Gen 2) typ C-portar      | 2                                                                | Förpackningens innehåll                                    |                           |
| Antal HDMI-portar *                               | 1                                                                | AC-adapter inkluderad *                                    | ✓                         |
| DVI-port                                          | ✗                                                                |                                                            |                           |

| Anslutningar                               |                   | Förpackningens innehåll |   |
|--------------------------------------------|-------------------|-------------------------|---|
| S/PDIF-utgång                              | ✗                 | Bruksanvisning          | ✓ |
| Uttag för mikrofon/linje in                | ✗                 | Snabbstartsguide        | ✓ |
| Combo hörlurar / mikrofon-port             | ✓                 | Strömkabel ingår        | ✓ |
| USB Sleep-and-Charge (laddning i viloläge) | ✓                 | Övrigt                  |   |
| USB Sleep-and-Charge-portar                | 1                 | LightScribe             | ✗ |
| Prestanda                                  |                   | 3D kompatibilitet       | ✗ |
| Moderkortets chipset                       | Intel® SoC        |                         |   |
| Tangentbord                                |                   |                         |   |
| Pekredskap                                 | ThinkPad UltraNav |                         |   |
| Numeriskt tangentbord *                    | ✗                 |                         |   |

## Catalog Object Cloud



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