

## IAEA Standard Notebook Hardware Specifications

### 1. Scope

Notebooks to be procured under the proposed Blanket Purchase Agreement (BPA) shall be for the purpose of replacing technically outdated equipment.

English is the working language of the IAEA, therefore all software for the Operation System (OS) and Office applications on all IAEA computers is in English. This also applies to all manuals and literature from the manufacture. The current desktop and notebook operating system is Microsoft Windows 10 1803 64bit Eng.-Int Enterprise Edition.

Bids are invited for the supply of Lenovo ThinkPad Business notebook models: **X1-Carbon, X1-Carbon Touchscreen, T490 and X1 Tablet; -> all models should be latest Generation!**

### 2. Requirements:

#### 2.1. Operating System Software licence

Each notebook shall carry proof of original Microsoft Operating System licence, for the version in use by the IAEA.

#### 2.2. Keyboard

The IAEA accepts US keyboards only.

#### 2.3 We request the following 4 different Hardware configurations

**Any notebooks delivered to IAEA Safeguards (estimate is that around 700 out of 1500 are for Safeguards) must have camera removed. This was not possible at the factory, So the practice was that reseller removes the camera once the delivery of notebooks arrives on their premises. Any deviation from this requires clearance by the Department of Safeguards.**

**1st: IAEA Compact Laptop - Lenovo ThinkPad X1 Carbon newest Gen** must at minimum feature:

- 14" Full HD Anti-glare display (resolution: 1920 x 1080)
- Intel® Core™ **i7-8665U** processor, 8 MB cache, 4.8 GHz
- **16 GB** LP-DDR3-2133 RAM on-board
- 256 GB NVMe Hard Disk
- Integrated Intel® UHD Graphics
- 2 x USB 3.1 total (1x powered port), 1 x HDMI, 1 x Thunderbolt 3, integrated fingerprint reader, High definition audio, stereo speaker and microphone integrated
- Intel Dual Band Wireless-AC(2x2) 8265
- ThinkPad Ethernet Extension Adapter Gen 2
- Bluetooth 4.1, Built-in web cam - HD720p



- Including the infrared camera option
- **Back-lit US keyboard** with touch pad & included fingerprint reader
- Rapid Charge Li-Ion Polymer battery 3-cell (57 Wh)
- dTPM 2.0 Security Module, Kensington Lock support
- Approximate weight: 1.13 Kg
- 3 Years on-site warranty (9x5xNext Business Day) Excluding Battery which has 12 Months Warranty only

- **Including external USB Keyboard & USB Mouse**

**Including these dock option:**

**ThinkPad Ultra Docking Station** (40AJ0135EU) with AC Adapter (contains 2x USB-C (10 Gbps), 4 x USB 3.1 Gen 2 (10 Gbps, 1 always on), 2x DisplayPort 1.4, 1xHDMI 2.0, 1xLAN and with integrated Lock) Kensington Lock support or alternative option. - including Power cable (Austrian plug)

• **ThinkPad Pro Docking Station** with AC Adapter (contains 2x USB-3.0, 2x USB-2.0, 1x USB-C, 2x DisplayPort, 1xLAN and with integrated Lock) Kensington Lock support or alternative option. - including Power cable (Austrian plug)

**ThinkPad Thunderbolt 3 Dock Gen 2** with AC Adapter (contains 5x USB-3.0, 1x USB-C, 2x DisplayPort, 2xHDMI, 1xLAN) Kensington Lock support or alternative option. - including Power cable (Austrian plug)

**Additional Add-ons:** The following options, if included must form part of the initial order:

- Alternative display 14.0" FHD (1920x1080) ThinkPad Privacy Guard IPS Anti-glare
- Lenovo HDMI to VGA Monitor Adapter (for connecting laptop to projector)
- Lenovo Powered USB -C Travel Hub (contains 1x VGA, 1x HDMI, 1xLAN, 1x USB-3.0, 1x USB-2.0, 1x USB-C Power pass-through)
- Warranty upgrade to 5 Years, Next Business Day - On-site
- External ThinkPad Ultra slim DVD Burner
- ThinkPad Professional Carry Case

**2nd: IAEA – Developer Edition Lenovo ThinkPad T490 newest Gen** must at a minimum feature:

- 14" Full HD Anti-glare display (resolution: 1920 x 1080)
- Intel® Core™ **i7-8665U** processor, 8 MB cache, 4.8 GHz
- **32 GB** LP-DDR3-2133 RAM on-board
- **16 GB** LP-DDR3-2133 RAM on-board **for Safeguards only**
- 256 GB NVMe Hard Disk
- Integrated Intel® UHD Graphics
- 2 x USB 3.1 total (1x powered port), 1 x HDMI, 1 x Thunderbolt 3, integrated fingerprint reader, High definition audio, stereo speaker and microphone integrated
- Intel Dual Band Wireless-AC(2x2) 8265
- ThinkPad Ethernet Extension Cable Gen 2
- Bluetooth 4.1, Built-in web cam - HD720p



- Including the infrared camera option
  - **Should not have Camera for SG department**
  - **Back-lit US keyboard** with touch pad & included fingerprint reader
  - Rapid Charge Li-Ion Polymer battery 3-cell (57 Wh)
  - dTPM 2.0 Security Module, Kensington Lock support
  - Approximate weight: 1.55 Kg
  - 3 Years on-site warranty (9x5xNext Business Day) Excluding Battery which has 12 Months Warranty only
- 
- **Including external USB Keyboard & USB Mouse**

**Including these dock option:**

**ThinkPad Ultra Docking Station (40AJ0135EU)** with AC Adapter (contains 2x USB-C (10 Gbps), 4 x USB 3.1 Gen 2 (10 Gbps, 1 always on), 2x DisplayPort 1.4, 1xHDMI 2.0, 1xLAN and with integrated Lock) Kensington Lock support or alternative option. - including Power cable (Austrian plug)

• **ThinkPad Pro Docking Station** with AC Adapter (contains 2x USB-3.0, 2x USB-2.0, 1x USB-C, 2x DisplayPort, 1xLAN and with integrated Lock) Kensington Lock support or alternative option. - including Power cable (Austrian plug)

**ThinkPad Thunderbolt 3 Dock Gen 2** with AC Adapter (contains 5x USB-3.0, 1x USB-C, 2x DisplayPort, 2xHDMI, 1xLAN) Kensington Lock support or alternative option. - including Power cable (Austrian plug)

**Additional Add-ons:** The following options, if included must form part of the initial order:

- Alternative display 14.0" FHD (1920x1080) ThinkPad Privacy Guard IPS Anti-glare
- Alternative display 14.0" FHD (1920x1080) Multi-touch IPS Anti-glare
- Lenovo Powered USB -C Travel Hub (contains 1x VGA, 1x HDMI, 1xLAN, 1x USB-3.0, 1x USB-2.0, 1x USB-C Power pass-through)
- Warranty upgrade to 5 Years, Next Business Day - On-site
- Professional Carry Case
- External ThinkPad Ultra slim DVD Burner
- Lenovo HDMI to VGA Monitor Adapter (for connecting laptop to projector)

---

**3rd: IAEA – Hybrid 2in1 - Lenovo Carbon X1 newest Gen with Touchscreen – full HD** must at a minimum feature:

- 14" Full HD Anti-glare display (resolution: 1920 x 1080) **Touchscreen**
- Intel® Core™ **i7-8665U** processor, 8 MB cache, 4.8 GHz
- **16 GB** LP-DDR3-2133 RAM on-board
- 256 GB NVMe Hard Disk
- Integrated Intel® UHD Graphics
- 2 x USB 3.1 total (1x powered port), 1 x HDMI, 1 x USB 3.1 Type-C, 1 x Thunderbolt 3, integrated fingerprint reader, High definition audio, stereo speaker and microphone integrated
- Intel Dual Band Wireless-AC(2x2) 8265



- ThinkPad Ethernet Extension Adapter Gen 2
- Bluetooth 4.1, Built-in web cam - HD720p
- Including the infrared camera option
- **Back-lit US keyboard** with touch pad & included fingerprint reader
- Rapid Charge Li-Ion Polymer battery 3-cell (57Wh )
- dTPM 2.0 Security Module, Kensington Lock support
- Approximate weight: 1.45 Kg
- 3 Years on-site warranty (9x5xNext Business Day) Excluding Battery which has 12 Months Warranty only

- **Including external USB Keyboard & USB Mouse**

**Including these 3 dock options:**

**ThinkPad Ultra Docking Station** (40AJ0135EU) with AC Adapter (contains 2x USB-C (10 Gbps), 4 x USB 3.1 Gen 2 (10 Gbps, 1 always on), 2x DisplayPort 1.4, 1xHDMI 2.0, 1xLAN and with integrated Lock) Kensington Lock support or alternative option. - including Power cable (Austrian plug)

• **ThinkPad Pro Docking Station** with AC Adapter (contains 2x USB-3.0, 2x USB-2.0, 1x USB-C, 2x DisplayPort, 1xLAN and with integrated Lock) Kensington Lock support or alternative option. including Power cable (Austrian plug)

**ThinkPad Thunderbolt 3 Dock Gen 2** with AC Adapter (contains 5x USB-3.0, 1x USB-C, 2x DisplayPort, 2xHDMI, 1xLAN) Kensington Lock support or alternative option. - including Power cable (Austrian plug)

**Additional Add-ons:** The following options, if included must form part of the initial order:

- Lenovo HDMI to VGA Monitor Adapter (for connecting laptop to projector)
- Lenovo Powered USB -C Travel Hub (contains 1x VGA, 1x HDMI, 1xLAN, 1x USB-3.0, 1x USB-2.0, 1X USB-C Power pass-through)
- Warranty upgrade to 5 Years, Next Business Day - On-site
- External ThinkPad Ultra slim DVD Burner
- ThinkPad Professional Carry Case

-----  
**4th: IAEA – Hybrid 2in1 - Lenovo ThinkPad X1 Tablet newest Gen** must at a minimum feature:

- 13" QHD+ Display (3000x2000) IPS Multi-Touch
- Intel® Core™ **i7-8650U** processor, 8 MB cache, up to 4.2GHz
- **16 GB** LP-DDR3-2133Mhz RAM soldered to system board (Max. 16GB RAM) • **256 GB** Solid State Drive (PCIe OPAL2.0 M.2)
- **ThinkPad Pen Pro**
- Integrated Intel® UHD Graphics 620
- Intel Wireless-AC 8265 2x2 AC, Qualcomm Snapdragon X7 LTE-A
- IR & 720p HD Camera with Mic, Stereo speaker, Bluetooth 4.1
- Thin Keyboard-Midnight Black with touch-pad, Integrated fingerprint reader
- Li-Ion battery 4-cell (42 Wh)

- dTPM 2.0 Security Module, Kensington Lock support
- **USB-C to VGA adapter included**
- **USB-C to USB-A adapter included**
- **USB-C to Ethernet (RJ45) adapter included**
- Standard 3 Years on-site warranty (9x5xNext Business Day) excluding Battery (12 Months)
- Approximate weight: Tablet - 890 g; Tablet with keyboard - 1.2 Kg

• **Including external USB Keyboard & USB Mouse**

**Including these 2 dock options:**

- **ThinkPad Thunderbolt 3 Dock Gen 2** with AC Adapter (contains 5x USB-3.0, 1x USB-C, 2x DisplayPort, 2xHDMI, 1xLAN) Kensington Lock support or alternative option: - including Power cable (Austrian plug)
- **ThinkPad USB-C Dock Gen 2** with AC Adapter (contains 5x USB-3.0, 1x USB-C, 2x DisplayPort, 1xHDMI, 1xLAN) Kensington Lock support or alternative option: (This is Safeguards standard configuration in order to support 2 x 4K in the future) - including Power cable (Austrian plug)

**Additional Add-ons:** The following options, if included must form part of the initial order:

- Lenovo USB -C Travel Hub (contains 1x VGA, 1x HDMI, 1xLAN, 1x USB-3.0)
- Warranty upgrade to 5 Years, Next Business Day - On-site
- Professional Carry Case
- Lenovo ThinkPad X1 Wireless Touch Mouse