

# Qingdao Thunderobot Technology Co., Ltd

|                                                                                |                                                   |
|--------------------------------------------------------------------------------|---------------------------------------------------|
| Device                                                                         | Mini PC                                           |
| Company name                                                                   | Qingdao Thunderobot Technology Co., Ltd           |
| Grantee code                                                                   | 2BG5P                                             |
| FCC ID                                                                         | 2BG5P-8745H                                       |
| FRN                                                                            | 0035581917                                        |
| Contact name                                                                   | Guoyan Ding                                       |
| Address                                                                        | No.1, Haier Road, Laoshan District, Qingdao City. |
| Telephone number                                                               | 18363926897                                       |
| E-mail                                                                         | dingguoyan@machenike.com                          |
| Chipset/module information                                                     | RF module: AW-XB547NF                             |
| Operating System (if applicable)                                               | Windows                                           |
| Storage Capacity (hard drive or other permanent memory storage, if applicable) | 512G                                              |

**Item 1.** The device is able to install software/program installation?

☒ Yes, go to Item 2.

☐ No. In this case, the rest of the items do not apply. The device cannot support installation of Kaspersky cybersecurity or anti-virus software.

**Item 2.** Technical Requirements for Kaspersky Cybersecurity Software:

| # | General Requirements (For all Devices)                                     | Yes / No or N/A | Comments |
|---|----------------------------------------------------------------------------|-----------------|----------|
| 1 | Internet connection for activation and updates (For all Operating Systems) | YES             | Windows  |

| # | General Requirements (For Windows Devices)    | Yes / No or N/A | Comments |
|---|-----------------------------------------------|-----------------|----------|
| 1 | Storage: 1500 MB free space on the hard drive | YES             | 512G     |

|   |                                                                                                                                                                                            |     |               |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------|
| 2 | Operating System:<br><br>Microsoft Windows 8, 8.1, 10 & 11 Home / Pro / Enterprise<br>Microsoft<br><br>Windows 7 Starter / Home Basic & Premium / Professional /<br>Ultimate SP1 or higher | YES | Windows 11    |
| 3 | Processor: 1 GHz or higher (x86 or x64)                                                                                                                                                    | YES | x64           |
| 4 | Memory (RAM)1 GB (32-bit) or 2 GB (64-bit)                                                                                                                                                 | YES | 16GB (64-bit) |
| 5 | Screen Resolution: Minimum resolution of 1024 x 768                                                                                                                                        | YES | 1920*1080     |

| # | General Requirements (For macOS devices)      | Yes / No or N/A | Comments |
|---|-----------------------------------------------|-----------------|----------|
| 1 | Operating System macOS® 13 – 14               | N/A             |          |
| 2 | Memory (RAM)4 GB                              | N/A             |          |
| 3 | Storage: 3455 MB free space on the hard drive | N/A             |          |

| # | General Requirements (For Android Devices)         | Yes / No or N/A | Comments |
|---|----------------------------------------------------|-----------------|----------|
| 1 | Storage: 150 MB free space                         | N/A             |          |
| 2 | Operating System: Android™ 10 – 14                 | N/A             |          |
| 3 | Screen Resolution: Minimum resolution of 320 x 480 | N/A             |          |

| # | General Requirements (for iOS devices) | Yes / No or N/A | Comments |
|---|----------------------------------------|-----------------|----------|
| 1 | Storage: 150 MB free space             | N/A             |          |
| 2 | Operating System: iOS® 17              | N/A             |          |

| # | General Requirements (For Linux system) | Yes / No or N/A | Comments |
|---|-----------------------------------------|-----------------|----------|
| 1 | Hard drive: 1 GB of free space          | N/A             |          |
| 2 | CPU: Intel Pentium 1 GHz or higher      | N/A             |          |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |  |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
| 3 | RAM: 1 GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | N/A |  |
| 4 | Minimum software requirements:<br><br>AlmaLinux OS 8 or later;<br><br>AlterOS 7.5 or later;<br><br>Astra Linux Common Edition 2.12 or later;<br><br>CentOS 6.7 or later;<br><br>Debian GNU/Linux 10.0 or later;<br><br>EulerOS 2.0 or later;<br><br>Oracle Linux 7.3 or later ;<br><br>Red Hat Enterprise Linux 6.7 or later ;<br><br>Rocky Linux 8.5 or later ;<br><br>SUSE Linux Enterprise Server 12.5 or later;<br><br>Ubuntu 12.04 or later ;<br><br>Uncom OS Home / Business / Education / Enterprise 2.2 or later;<br><br>ALT Linux Workstaton / Workstation K / Server / Education 8 or later;<br><br>ROSA Linux Workstation / Server 12 or later ;<br><br>RED OS 7.3 and later ; | N/A |  |

**After reviewed the technical requirements, is the device capable of supporting the installation of Kaspersky software?**

☒ Yes, go to Item 3.

☐ No. In this case, the rest of the items do not apply. The device cannot support installation of Kaspersky software

**Item 3. Connectivity Capabilities:**

| # | Physical Interface | Purpose | Justification <sup>1</sup> |
|---|--------------------|---------|----------------------------|
|---|--------------------|---------|----------------------------|

<sup>1</sup> The justification field is used to justify why the software cannot be received through that interface. Check the annex for more indications.

|   |                 |                                                                                    |                                                                                         |
|---|-----------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1 | USB Type-C port | Can be connected to a Type-C docking station, such as USB flash drives, mice, etc. | -Built-in firewall that blocks software downloads                                       |
| 2 | USB Type-A port | Connect to USB storage devices or a mouse and keyboard receiver                    | -Built-in firewall that blocks software downloads                                       |
| 3 | HDMI / DP       | Connect to an external high-definition video signal input.                         | -Communication limited to specific IP addresses<br>-Port blocked for software downloads |
| 4 | RJ-45 port      | Ethernet connectivity for operational data transmission                            | -Communication limited to specific IP addresses<br>-Port blocked for software downloads |

| # | Wireless Interface | Purpose                                                          | Justification <sup>1</sup>                                             |
|---|--------------------|------------------------------------------------------------------|------------------------------------------------------------------------|
| 1 | Wi-Fi              | It can be connected to the network for file or video downloading | -Built-in firewall that blocks software downloads                      |
| 2 | Bluetooth          | Only pair and connect with the mouse or keyboard                 | -No file transfer capability<br>-Pairing limited to authorized devices |

After the review of this items, the device:

☐ Cannot support installation of any cybersecurity or anti-virus software on the covered list.

☒ Potentially can operate with any cybersecurity or anti-virus software on the covered list – additional third-party proof is provided to demonstrate compliance with requirements as of 2.911(d)5(i),(ii) – “Proof of Compliance with Covered List Software Requirements” of this document applies

Signature:

*Guoyan Ding*

Name: Guoyan Ding

Date:2025.07.02

## Proof of Compliance with Covered List Software Requirements

1. Did a test Firm or third party (other than the certification body and applicant) provide a list of software installed on the device and after scan results with no evidence of Kaspersky software?

☒ YES

☐ NO

☐ N/A

If YES, provide:

**File Name:** Kaspersky Software Security

**Third-Party Name (including Test Firm):** Shenzhen ETR Standard Technology Co., Ltd.

Has other objective evidence been provided that no Kaspersky software is installed?

☒ YES

☐ NO

☐ N/A

If YES, provide:

**File Name:** Kaspersky Software Security

**Third-Party Name (including Test Firm):** Shenzhen ETR Standard Technology Co., Ltd.

Signature:



Name: smith Chen

Date:2025.7.15

Once the document is filled in, please proceed to print a PDF of this Word

**Annex .** Example of how to fill the Table Connectivity Capabilities

| # | Physical Interfaces | Purpose                                                 | Justification                                                                           |
|---|---------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1 | USB Type-C port     | Battery charging only                                   | -Limited to power supply<br>-Data transfer capability disabled                          |
| 2 | HDMI                | Video output only                                       | -Communication limited to specific IP addresses<br>-Port blocked for software downloads |
| 3 | RJ-45 port          | Ethernet connectivity for operational data transmission | -Communication limited to specific IP addresses<br>-Port blocked for software downloads |

| # | Wireless Interfaces | Purpose                | Justification                                                          |
|---|---------------------|------------------------|------------------------------------------------------------------------|
| 1 | Wi-Fi               | Explain the purpose... | -Built-in firewall that blocks software downloads                      |
| 2 | Bluetooth           | Explain the purpose... | -No file transfer capability<br>-Pairing limited to authorized devices |
| 3 | NFC                 | Explain the purpose... | -Passive mode only<br>-No write capability                             |