

[Manuals.plus](#) /

› [ZOWEETEK](#) /

› ZOWEETEK CAC Smart Card Reader User Manual (Model 8541643211)

## ZOWEETEK 8541643211

# ZOWEETEK CAC Smart Card Reader User Manual

Model: 8541643211

[Overview](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

## 1. PRODUCT OVERVIEW

The ZOWEETEK CAC Smart Card Reader (Model 8541643211) is a versatile USB device designed for reading Common Access Cards (CAC), Government ID, National ID, ActivClient, AKO, OWA, DKO, JKO, NKO, BOL, GKO, Marinenet, AF Portal, Pure Edge Viewer, Approvelt, DCO, DTS, LPS, Disa Enterprise Email, and other smart chip cards. It features an advanced Realtek Chipset, ensuring broad compatibility and reliable performance across various operating systems.

### Key Features:

- **Wide Compatibility:** Supports Windows 10/11, Mac OS 10.15 or above, and Linux operating systems.
- **Advanced Chipset:** Equipped with an advanced Realtek Chipset for stable and secure operation.
- **Certifications:** PIV, EMS, ISO-7816 & EMV2 2000 Level 1, CE, FCC, VCCI, and Microsoft WHQL certified.
- **Application Support:** Compatible with various CAC chip card applications including ActivClient, AKO, OWA, DKO, JKO, NKO, BOL, GKO, Marinenet, AF Portal, Pure Edge Viewer, Approvelt, DCO, DTS, LPS, and Disa Enterprise Email.
- **Ergonomic Design:** Features a sleek, ergonomic standing design with a precise slot for convenient card insertion and an anti-slip base for stability.



Figure 1: The ZOWEETEK CAC Smart Card Reader demonstrating its wide compatibility with Windows, Mac OS, and Linux operating systems, and various computer types including laptops and desktops.

## 2. SETUP INSTRUCTIONS

Follow these steps to set up your ZOWEETEK CAC Smart Card Reader:

1. **Connect the Reader:** Plug the USB Type-A connector of the CAC reader into an available USB port on your computer. The reader is Plug & Play, meaning it should be recognized automatically by most operating systems.
2. **Driver Installation (if necessary):**
  - For Windows 10/11, Mac OS 10.15 or above, and Linux, drivers are typically installed automatically.
  - If the reader is not recognized, visit the ZOWEETEK official website for the latest drivers.
3. **Verify Connection:** Once connected, a green indicator light on the reader should illuminate, indicating it is powered on and ready for use.



Figure 2: Key features of the ZOWEETEK CAC Smart Card Reader, including the LED indicator light, smart card slots, anti-slip pad, and USB 2.0 connectivity.

## 3. OPERATING INSTRUCTIONS

To use your ZOWEETEK CAC Smart Card Reader:

1. **Insert the Smart Card:** Gently slide your CAC or smart chip card into the designated card slot on the reader. Ensure the chip on the card faces upwards and is fully inserted. The ergonomic design allows for convenient oblique card insertion.
2. **Access Applications:** Open the required application on your computer (e.g., ActivClient, web browser for OWA/AF Portal, etc.) that requires smart card authentication.
3. **Follow On-Screen Prompts:** The application will prompt you to enter your PIN or perform other authentication steps.
4. **Remove the Card:** Once your task is complete, safely remove the smart card from the reader.



Figure 3: The ZOWEETEK Smart Card Reader in operation, demonstrating a smart card inserted into a laptop-connected reader, compatible with various card types.



Figure 4: A close-up view of the ZOWEETEK CAC Smart Card Reader connected to a laptop, with a sample CAC card properly inserted for authentication.

## 4. MAINTENANCE

To ensure the longevity and optimal performance of your ZOWEETEK CAC Smart Card Reader, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the reader. Avoid using liquid cleaners or abrasive materials, as these can damage the device.
- **Storage:** When not in use, store the reader in a clean, dry environment away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid bending or twisting the USB cable excessively to prevent internal damage.
- **Card Handling:** Always insert and remove smart cards gently to prevent damage to both the card and the reader's internal contacts.



## 5. TROUBLESHOOTING

If you encounter issues with your ZOWEETEK CAC Smart Card Reader, refer to the following common problems and solutions:

| Problem                            | Possible Cause                                                    | Solution                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reader not recognized by computer. | Loose USB connection, driver issue, or incompatible USB port.     | <ul style="list-style-type: none"><li>◦ Ensure the USB cable is securely plugged into both the reader and the computer.</li><li>◦ Try a different USB port on your computer.</li><li>◦ Restart your computer.</li><li>◦ Check Device Manager (Windows) or System Information (Mac/Linux) to see if the device is listed. If not, manually install drivers from the ZOWEETEK website.</li></ul> |
| Smart card not reading.            | Card inserted incorrectly, dirty card chip, or application issue. | <ul style="list-style-type: none"><li>◦ Ensure the smart card is fully inserted with the chip facing upwards.</li><li>◦ Clean the card's chip with a soft, lint-free cloth.</li><li>◦ Verify that the application you are using is correctly configured for smart card access.</li><li>◦ Try another smart card if available to rule out a faulty card.</li></ul>                              |
| Green LED indicator is off.        | No power, or reader not connected.                                | <ul style="list-style-type: none"><li>◦ Check USB connection to the computer.</li><li>◦ Try a different USB port.</li><li>◦ Ensure your computer's USB ports are functioning correctly.</li></ul>                                                                                                                                                                                              |

## 6. PRODUCT SPECIFICATIONS

| Feature                        | Detail                                                                |
|--------------------------------|-----------------------------------------------------------------------|
| Brand                          | ZOWEETEK                                                              |
| Model Number                   | 8541643211                                                            |
| Series                         | ZOWEETEK CAC Reader / Zoweetek Multi-Function Card Reader             |
| Operating System Compatibility | Windows 10/11, Mac OS 10.15 or above, Linux                           |
| Connectivity Technology        | USB Type A                                                            |
| Special Feature                | Plug & Play                                                           |
| Media Type Supported           | Memory Cards (Smart Cards, CAC, PIV, etc.)                            |
| Certifications                 | PIV, EMS, ISO-7816 & EMV2 2000 Level 1, CE, FCC, VCCI, Microsoft WHQL |
|                                |                                                                       |

| Feature                    | Detail                 |
|----------------------------|------------------------|
| Item Weight                | 5.9 ounces             |
| Product Dimensions (LxWxH) | 3.3 x 0.6 x 2.6 inches |
| Color                      | Black                  |
| Manufacturer               | Zoweetek               |
| Date First Available       | September 27, 2017     |



Figure 5: Dimensions of the ZOWEETEK CAC Smart Card Reader and its integrated USB cable.

## 7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official ZOWEETEK website. Keep your purchase receipt for warranty claims.

**Manufacturer:** Zoweetek

**Brand:** ZOWEETEK

For further assistance, please contact ZOWEETEK customer service.

