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## Advanced Card Systems ACR39U-N1

# ACS ACR39U-N1 PocketMate II USB Smart Card Reader User Manual

Model: ACR39U-N1

## INTRODUCTION

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The ACS ACR39U PocketMate II is a highly portable and functional USB smart card reader designed for a wide range of demanding smart card applications. Its compact, swivel-USB design ensures durability and ease of transport. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.



Image: The ACR39U-N1 PocketMate II in its compact, closed position, highlighting its portability.

## KEY FEATURES

- Very small and compact design, fitting easily into a pocket for portability.
- Reads almost every contact chip smart card (excluding NFC).
- Supports DOD Military CAC USB Smart Card Reader functions for 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 CAC Cards.
- Capable of reading national ID cards and signing digital signatures.
- Wide operating system compatibility: Windows 7, 8, 10, Linux OS, and Apple macOS X.
- Android compatibility for versions 3.1 and later.

## SETUP

Follow these steps to set up your ACR39U-N1 PocketMate II smart card reader:

1. **Unpack the Device:** Carefully remove the ACR39U-N1 PocketMate II from its packaging.
2. **Connect to Computer:** Swivel the USB connector out from the device body. Insert the USB Type-A connector into an available USB port on your computer or mobile device.



Image: The ACR39U-N1 PocketMate II with its USB Type-A connector extended, ready for connection.

- 3. Driver Installation:** For most modern operating systems (Windows, Linux, Mac OS), the device is plug-and-play, meaning drivers will install automatically. If prompted, allow the system to install necessary drivers. For specific applications or older operating systems, drivers may be available on the Advanced Card Systems official website.

## OPERATING INSTRUCTIONS

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Once the reader is connected and recognized by your system, you can begin using it with smart cards:

- 1. Insert Smart Card:** Gently slide your smart card into the card slot of the ACR39U-N1 PocketMate II with the chip facing upwards and towards the reader. Ensure the card is fully inserted until it clicks into place or reaches the end of the slot.



Image: A smart card fully inserted into the ACR39U-N1 PocketMate II, ready for use.

2. **Application Use:** Open the smart card application you intend to use (e.g., PIV software, digital signature application, online banking portal). The application should detect the card reader and the inserted card.
3. **Perform Operations:** Follow the prompts within your application to perform desired operations such as authentication, digital signing, or accessing secure information.
4. **Remove Smart Card:** After completing your task, gently pull the smart card out of the reader.

The ACR39U-N1 supports ISO 7816 Class A, B, and C smart cards (5 V, 3 V, and 1.8 V) and microprocessor cards with T=0 and T=1 protocol. It also supports various memory cards, including the Department of Defense Common Access Card (CAC) and SIPRNET Card.

## MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your smart card reader:

- **Cleaning:** Use a soft, dry, lint-free cloth to wipe the exterior of the device. Do not use liquid cleaners, aerosols, or abrasive solvents. Avoid getting moisture into the card slot or USB connector.

- **Storage:** When not in use, swivel the USB connector back into its compact position to protect it. Store the reader in a clean, dry environment, away from extreme temperatures and direct sunlight.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. Do not force cards into the slot.

## TROUBLESHOOTING

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If you encounter issues with your ACR39U-N1 PocketMate II, try the following solutions:

- **Device Not Recognized:**
  - Ensure the USB connector is fully inserted into the port.
  - Try connecting the reader to a different USB port on your computer.
  - Restart your computer.
  - Verify that the necessary drivers are installed. Check your operating system's device manager for any unknown devices or driver errors.
- **Card Not Reading:**
  - Ensure the smart card is inserted correctly with the chip facing up and fully seated in the slot.
  - Check if the smart card itself is damaged or dirty. Try cleaning the card's chip with a soft cloth.
  - Confirm that the smart card type is supported by the ACR39U-N1.
  - Try using a different smart card if available, to rule out a card issue.
- **Application Errors:**
  - Ensure your smart card application is up-to-date.
  - Consult the documentation or support for your specific smart card application.

## SPECIFICATIONS

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<b>Model Number</b>	ACR39U-N1
<b>Dimensions (LxWxH)</b>	2 x 1 x 0.5 inches (approx. 50.8 x 25.4 x 12.7 mm)
<b>Item Weight</b>	3.2 ounces (approx. 90.7 grams)
<b>Connectivity</b>	USB Type-A
<b>Supported Operating Systems</b>	Windows 7, 8, 10; Linux OS; Apple macOS X; Android 3.1 and later
<b>Supported Card Types</b>	ISO 7816 Class A, B, C (5 V, 3 V, 1.8 V) smart cards; Microprocessor cards with T=0 and T=1 protocol; Memory cards; DOD Military CAC; SIPRNET Card
<b>Color</b>	White

## WARRANTY AND SUPPORT

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**Warranty Information:** Specific warranty details for the ACR39U-N1 PocketMate II are typically provided with your purchase documentation or can be found on the official Advanced Card Systems website. Please refer to these resources for comprehensive warranty terms and conditions.

**Technical Support:** For further assistance, technical support, or driver downloads, please visit the official Advanced Card Systems website or contact their customer service department. Contact information is usually available on the manufacturer's website.

