Federal agencies—both civilian and military (DoD)—require enhanced user authentication, data security, and information assurance to help comply with the requirements of the Homeland Security Presidential Directive 12 (HSPD-12). Employees must verify their identity and security classifications using secure and reliable forms of identification, such as Common Access Card (CAC) and Personal Identity Verification (PIV). And with networked multifunction printers (MFPs) being deployed on a greater scale in these locations, Canon developed Advanced Authentication CAC/PIV—an easy-to-use, two-factor embedded authentication solution to lock and unlock Canon devices. This serverless solution ensures that all device functions are locked down until users insert their government-issued Common Access Card/Personal Identity Verification into the card reader and enter their PIN. Only those authenticated individuals are granted access to the device.

For additional control over use of the device, Advanced Authentication CAC/PIV works with Canon’s Access Management System (AMS) to facilitate role-based access control. After users insert their CAC/PIV to unlock the device, the Main Menu presents the user with access only to the device functions they have been granted permission to use. For example, some users may be permitted to copy and send documents from the device, while others may only have copy privileges.

Canon provides a variety of control capabilities that Federal agencies can use to enhance their security and increase productivity.

### Advantages

- **Locks/Unlocks Device**
  - Provides two-factor authentication and integrates with CAC/PIV server to validate credentials.

- **Embedded Solution**
  - Installs directly on the device.
  - Requires no server or middleware.
  - Supports several protocols, including Active Directory, LDAP, and Kerberos.

- **Simplifies User Experience**
  - Easy-to-use log-in process and menu prompts enhance user productivity.

- **Facilitates Access Control**
  - Canon Access Management System (AMS) enables administrators to easily configure role-based access and granular-level feature controls.

- **Enables Easy Implementation**
  - Configures via Web interface from anywhere on the network.
  - Allows users to self-register cards.

- **Integrates with Authorized Send for CAC/PIV**
  - Allows credential sharing between applications for authorized users to improve efficiency.
User inserts CAC/PIV in reader. User enters PIN. System authenticates user on the CAC/PIV Server to validate their credentials. After successful authentication, device functions are available for use. And with Canon’s AMS installed, users may only have access to specific functions on the device.

**SUPPORTED COMMON ACCESS CARD/PERSONAL IDENTITY VERIFICATION TYPES**

<table>
<thead>
<tr>
<th>Type Name</th>
<th>Applet Type</th>
<th>Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td>End-State PIV Card</td>
<td>PIV End-State + CAC v2</td>
<td>Oberthur ID One v5.2 Dual</td>
</tr>
<tr>
<td>End-State PIV Card</td>
<td>PIV End-State + CAC v2</td>
<td>Oberthur ID One 128 v5.5</td>
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<tr>
<td>Transitional PIV Card</td>
<td>PIV Transitional + CAC v2</td>
<td>Gemalto GCX4 72K DI</td>
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<tr>
<td>Emerging Platform</td>
<td>PIV End-State + CAC v2</td>
<td>Gemalto TOP DL GX4 144K</td>
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<td>Schlumberger Access 32K v2</td>
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<tr>
<td>Axalto ACS 5</td>
<td>Axalto ACS 5</td>
<td>Axalto ACS 5</td>
</tr>
</tbody>
</table>

**SUPPORTED CARD READERS**

- CCID-Compliant Smart Card Readers
- SCM Microsystems SCR331/3310/3311

**SUPPORTED CANON DEVICES**

- **Advanced Authentication CAC/PIV for imageRUNNER ADVANCE**
  - imageRUNNER ADVANCE C9075 PRO/C9065 PRO
  - imageRUNNER ADVANCE C7065/C7055
  - imageRUNNER ADVANCE C5051/C5045/C5035/C5030
  - imageRUNNER ADVANCE 8105/8095/8085
  - imageRUNNER ADVANCE 6075/6065/6055

For more information about the Canon Advanced Authentication CAC/PIV solution, contact your Authorized Canon sales representative or visit www.usa.canon.com.

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