

Common Access Card (CAC) and Personal Identification Verification (PIV) Card Authentication

national security

The US Government issued Homeland Security Presidential Directive (HSPD-12) in August 2004. It called for a mandatory government-wide standard for secure and reliable two-factor identification for all US Government employees to control access to federally-controlled facilities and networks.

Requirements that flow from this and other government initiatives mandate that MFPS sold to the government be capable of reading cards issued to government employees known as Common Access Cards (CAC) and other Government agencies which have been issued Personal Identification Verification (PIV) cards. These cards, in combination with a personal identification number, satisfy the two factor requirement.

In addition, MFPS sold to US Government customers must also be capable of Public Key Infrastructure (PKI) encryption that meets government standards.



The Smart Digital ID Solution



A smart solution for digital ID

CAC and PIV cards represent the latest advance in “smart card” identification. Used by the United States Department of Defense and other US Federal Government Agencies as a standard ID for military, government and civilian employees, CAC and PIV cards are used for general identification purposes — and can also be used to control access to computers, networks and facilities.

Using the AU-211P CAC & PIV Card Solution, Konica Minolta bizhub MFPs can be an integral part of this secure digital ID solution. The AU-211P is compatible with ALL CAC and PIV cards in circulation today, can be quickly installed and easily upgraded to accommodate next-generation card types currently in development.

Increase security, speed workflow

HID Global has developed powerful software to realize the full benefit of CAC and PIV card security. The sophisticated ActivID® ActivClient® software is used to provide document encryption, cryptographic signatures for e-mail, and authoritative use of identity credentials.

The Konica Minolta bizhub CAC & PIV Solution embeds the ActivID® ActivClient® software directly into the MFP to provide the same level of security as a user sitting at their workstation.

It meets the federal government’s requirement for “two factor” authentication and facilitates the use of public key infrastructure (PKI) authentication tools.

HID Global and Konica Minolta

This HID Global and Konica Minolta partnership ensures compatibility with any CAC or PIV card used and fulfills the critical security requirements of the government — and ensures compliance with the latest security standards and mandates, including FIPS 140-2, FIPS 201, and ISO 15408 (Common Criteria) Security Certification at EAL level.



The bizhub CAC & PIV Solution: Powerful Features for Security, Speed and Simplicity



Secure Access to your MFPs

Are users printing documents using the public key infrastructure (PKI) authentication protocol?

Are they leaving secure documents at the device for anyone to see or take?

Are your most sensitive documents being emailed with digital signatures and encryption?

To answer these critically important questions, Konica Minolta has teamed with HID Global® Corporation in creating the AU-211P CAC (Common Access Card) & PIV (Personal Identification Verification) Card Solution: a comprehensive authentication system for the Department of Defense (DOD) and other government agencies utilizing either CAC or PIV card authentication.

Control distribution, simplify access

For individuals using bizhub MFPs to scan and distribute documents, the Konica Minolta and HID Global solution provides a quick and sure method for authorizing access to each networked MFP — and also controlling distribution.

The Konica Minolta Scan-to-Me, Scan-to-Home setting can be used to establish a document distribution method that can be easily tracked and monitored. In a Windows Active Directory environment, documents scanned at compatible bizhub MFPs are sent to a users authorized e-mail address (Scan-to-Me) or to an authorized network share folder as defined in Active Directory (Scan-to-Home). The system can create digitally signed and certified e-mail directly at each bizhub MFP — no need to use PCs to add digital signatures.

Documents can be quickly and easily shared at the same time that access is

controlled. Network administrators can set restrictions so that documents are scanned only to addressees authorized in the Active Directory. Once documents are scanned to authorized addresses, they can be tracked more easily — and unauthorized forwarding can be discovered and prevented.

The public key infrastructure (PKI) print feature allows users to securely send print jobs from their PC directly to the Konica Minolta MFP including their PKI credentials. The print job will remain on the MFP HDD until the specified user is directly at the MFP to retrieve their document. Once authenticated using their CAC or PIV card, their print job will be output. No more worrying about secure documents sitting on the MFP output tray for anyone to see or fall into the wrong hands.

The bizhub CAC & PIV Solution is smart, simple and a powerful security tool for the digital future.

The Konica Minolta bizhub CAC & PIV Solution combines many powerful security features in a simple MFP-based system. It requires no complex installation, no middleware and no complex configuration tasks.

ActivClient Offers

- Interoperability with a wide range of remote access solutions, thin clients, applications (e.g., Microsoft® Outlook®, and popular web browsers), smart cards, smart card readers (AU-211P).
- Compatibility with major certificate authorities and encryption utilities.
- Support for standard U.S. Government-issued Common Access Cards and Federal Information Processing Standards (FIPS) 201-certified Personal Identity Verification certified (PIV) cards.

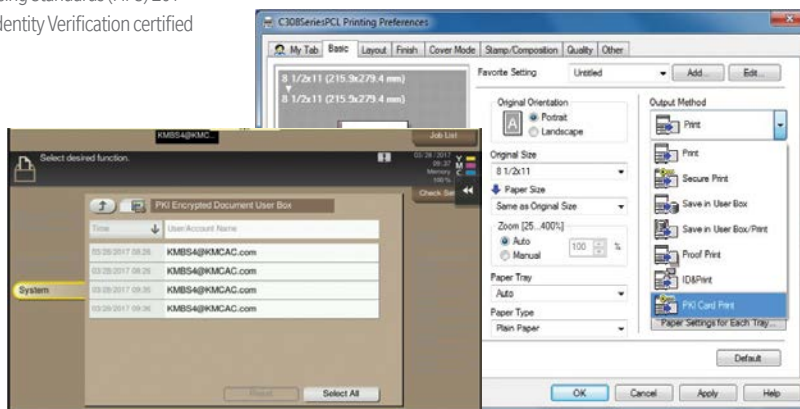
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Network Access: The AU-211P provides network access with user authentication via Windows Active Directory. And with HID Global ActivID® ActivClient® software embedded in the device, Konica Minolta can guarantee support for all historical versions of CAC/PIV smart cards — including future profiles under development.



Scan-to-Me, Scan-to-Home: Document distribution can be restricted to logged-in users' e-mail addresses (Scan-to-Me) or users' shared folder (Scan-to-Home) as defined in Active Directory. Each scanned document is protected with AES 256-bit encryption and the system can use the CAC/PIV card to create digitally signed and certified e-mail directly at each bizhub MFP — no need to use PCs to add digital signatures.



Konica Minolta and HID Global: a Team You Can Count On for Greater Security

Konica Minolta Business Solutions U.S.A., Inc., is a leader in advanced digital imaging networking technologies. With the industry's most complete line of document and software solutions from desktop to print shop, Konica Minolta was recognized by Brand Keys for the second consecutive year as the #1 Brand for Customer Loyalty in the MFP Office Copier Market. For more information, please visit: www.CountOnKonicaMinolta.com

HID Global is the trusted source for innovative products, services, solutions and know-how related to the creation, management and use of secure identities for millions of customers around the world. The company's served markets include physical and logical access control, including strong authentication and credential management; card printing and personalization; visitor management systems; highly secure government and citizen ID; and identification RFID technologies used in animal ID and industry and logistics applications. For more information, visit <http://www.hidglobal.com>.

FEATURES

- Meets major standards, including ISO 7816, EMVCo Terminal 1, Microsoft WHQL, USB CCID, PC / SC and HBCI (Home Banking Computer Interface)
- Usage within an application is based on standardized interfaces like PC / SC
- USB CCID support makes integration into an existing system the easiest ever by connecting host and smart card reader without the need for additional drivers
- Attractive, small size fits in an envelope to distribute with smart card, credit card, e-ID card or software for online banking or digital signature applications
- All major operating systems supported
- Meets GSA FIPS 201 requirements
- Supports high-speed data transmission
- UPC barcode for easier logistics
- **Active Directory Support:** user authentication is via the Windows Active Directory system, widely used in government and corporate applications.
- **E-mail Certification:** the system can create digitally signed and certified e-mail directly at each bizhub MFP — no need to use PCs to add digital signatures.
- **E-mail Encryption:** using MFP Scan-to e-mail distribution, documents are protected with AES 256-bit encryption.
- **Network and Local Access:** the system also supports access to network and local SMB (shared) folders with complete end-user rights.
- **PKI Encrypted Printing:** each compatible bizhub MFP can be set to produce secure, encrypted printing using CAC or PIV encryption methods.
- **Log-in Verification:** documents can be saved on bizhub MFPs until a user logs in with a CAC or PIV card to retrieve them.
- **Scan-to-Me, Scan-to-Home:** document distribution can be restricted to logged-in users' e-mail addresses (Scan-to-Me) or users' shared folder as defined in Active Directory (Scan-to-Home).
- **Guaranteed CAC/PIV Card Support:** with HID Global software embedded in the Konica Minolta bizhub MFP solution, support is guaranteed for all historical versions of CAC/PIV smart cards — including future profiles under development.
- **Supported card types include:**
 - CAC v1
 - CAC v2
 - GSCIS
 - PIV Transitional
 - PIV End-state (FIPS 201, FIPS 201-1 and FIPS 201-2)
 - PIV-Interoperable (PIV-I)
 - Commercial Identity Verification (CIV)

For complete information on Konica Minolta products and solutions, please visit: CountOnKonicaMinolta.com

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