

Wave Virtual Smart Card for HSPD-12: Rapid PIV-Enablement for Laptops, Tablets, and Smartphones

PIV-Derived Credentials for Windows-Based Devices, Protected by Industry-Standard Hardware

Today there are over 5 million personal identity verification (PIV) cards in use. These cards are mostly used to provide strong identity authentication in order to safeguard entry to federal facilities. Homeland Security Presidential Directive 12 was issued in 2004, pre-dating the widespread adoption of mobile computing devices across the workforce. However, with the current pervasive use of mobile computing devices, an alternative and/or supplemental use case to PIV cards has emerged.

HSPD-12 envisions the use of PIV cards to secure both physical access and logical access to digital resources. Wave Systems Corp. (NASDAQ:WAVX) has over twenty years of experience delivering trusted security solutions for major corporations and government agencies, helping them to protect these digital resources. Wave enables government agencies to extend the use of the PIV card model to many additional devices that require secure authentication in order to access federal information systems. Wave Virtual Smart Card does not require users to install any new

accessories or to carry anything except their Windows device, and it does not require the use of a smart card reader.

Wave Virtual Smart Card creates a trusted equivalent of the HSPD-12 credential on any Windows-based device, including desktops, laptops, smartphones, and tablet computers. The new token is housed securely within the Trusted Platform Module (TPM), a secure chip that is standard equipment on almost all devices, thus eliminating the need to purchase and deploy additional hardware. Wave Virtual Smart Card can be used to provide identity-based access to wired and wireless networks, Virtual Private Network, Intranet, Extranet, and Cloud applications.

The credential on the Wave Virtual Smart Card is a PKI certificate that functions similarly to the secure token that resides on the PIV card. If a user loses their PIV card, the Wave Virtual Smart Card will still continue to provide secure, device-based access to information systems. Wave Virtual Smart Card PIV-derived credentials can be revoked at any time.