Wave Virtual Smart Card 2.0

Better Security at Less Than Half the Cost

▶ **Wave VSC 2.0** provides enterprises with a hardware-based, token-less, two-factor authentication security solution with the security of a hardware token solution and the convenience and cost savings of a software token solution – the best of both worlds.

▶ Make use of the second factor that you have already deployed: **VSC 2.0** delivers strong two-factor authentication using the Trusted Platform Module (TPM), the embedded security chip built into enterprise PCs and tablets for more than 10 years.

▶ Zero-touch deployment: **VSC 2.0** enables easy enterprise management of the entire virtual smart card lifecycle by enabling IT to remotely activate and key the TPM, rollout virtual smart cards remotely, reset PINs/passcodes, and deactivate at end of life.

▶ Zero-knowledge remote assistance: Every end-user chooses a personal and local PIN. This protects the VSC, the TPM and all certificates stored on it. If the PIN is lost or forgotten, a secure and offline challenge-response mechanism helps to unlock the VSC without ever sharing the user's PIN, not even with the IT help desk.

▶ **VSC 2.0** works on Win 7, 8, 8.1 and 10 seamlessly supporting enterprise migration by simply using existing Windows smart card interfaces to OS and applications. Companies successfully use **Wave VSC 2.0** to secure VPN access, web applications and other certificate-based applications, like Wi-Fi with 802.1x, remote desktop, or Windows-user login.

▶ The total cost of **VSC 2.0** is typically less than half the cost of a smart card/token system.

- The main reason being that the TPM is already deployed on the computer, eliminating the need to buy, provision and deploy tokens.

- Another reason is that tokens are often lost (on average 25% lost per year) and must be deactivated, replaced and shipped.

▶ This solution is as relevant to devices that remain in the office as devices that leave the office.

- This is because passwords on office devices are still susceptible to outside threats and access to enterprise electronic assets require strong authentication solutions to protect them from attackers.

▶ For strong, two-factor authentication at less than half the cost, use the TPM security already in place by installing **Wave VSC 2.0**.

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