

Portable Virtual Desktops Delivered on Secure USB Devices

RingCube vDesk Virtual Workspaces integrate with McAfee® Encrypted USB devices to deliver virtual desktops that run on Microsoft Windows-based PCs



McAfee Compatible Solution

RingCube vDesk 2.2 and higher is compatible with McAfee Encrypted USB devices.

RingCube vDesk advantages

- No second operating system
- High performance
- Four flexible deployment options
- MobileSync provides offline synchronization

Flexible deployment options

- *PC*—vDesk is stored and run locally on the internal hard drive
- *Drive*—vDesk is stored on USB drive or other removable media and run locally
- *Network*—vDesk is stored on a network file share and run locally
- *Virtual desktop infrastructure (VDI)*—vDesk is stored and run centrally but accessed remotely using VDI

RingCube vDesk creates a virtual workspace on McAfee Encrypted USB devices that contains the user's desktop environment inclusive of applications, data, and settings. When users connect the USB device to any PC, they instantly have access to their corporate desktop environment for remote access, disaster recovery, or temporary access by consultants, contractors, and outsourcers.

Lowering Costs and Improving Productivity for Mobile Workers

Many enterprises are looking for ways to improve the productivity of their workforces but struggle with the cost of providing and supporting company laptops for every employee. Mobile employees are significantly more productive if they have access to their desktop with all of their own applications, data, and settings, whether they are traveling, working at a customer site, or visiting a branch office. However, users don't always want to carry a laptop, and the costs of providing a laptop to every employee—both in capital expense and in ongoing operational expenses—can be \$5,000 to \$9,000 per year, compared to \$3,000 to \$5,000 per year for an equivalent desktop system.

RingCube and McAfee Deliver a Simple, Cost-Effective, and Secure Mobile Computing Solution

The RingCube vDesk solution delivers an enterprise desktop virtualization solution that increases user productivity and lowers desktop management costs. Users can run their vDesk workspace at the office or on unmanaged PCs—at home or at a client site. When users start their vDesk workspace, it transforms a Windows PC into their own familiar and personalized workspace where they can access their files, applications, settings, and entire desktop, just as if they were on their own PC.

vDesk works with McAfee Encrypted USB devices to ensure that vDesk virtual workspaces are isolated from the host PC, that all data is encrypted, and that only authorized users can access the encrypted workspace. vDesk provides network and file system isolation policies, granular host security policy enforcement, and integration with Active Directory for user authorization. As part of host security scanning, vDesk can verify that McAfee VirusScan® Enterprise or the McAfee Total Protection solution is updated and actively protecting the virtual workspace prior to allowing any user access.

McAfee Encrypted USB devices ensure that RingCube's workspaces are protected by the highest two-factor biometric user authentication and the strongest AES 256-bit hardware encryption available to prevent data leakage and unauthorized access.



“Workspace virtualization is an emerging technology category which decouples the user’s workspace—applications, data and personalized settings—from the underlying operating system, simplifying the creation, provisioning, and management of end-user computing environments which are mobile and can be customized by the end-user without requiring a second operating system.”

Neil MacDonald
VP and Gartner Fellow

Benefits

- **Increased user mobility and productivity**—RingCube and McAfee enable users to become truly mobile by moving their personalized desktop between a desktop PC, a laptop, virtual desktop infrastructure (VDI) and a McAfee Encrypted USB device, all while providing access to their desktop from any PC, whether online or offline
- **Lower desktop management costs and licensing**—RingCube vDesk enables IT organizations to dramatically lower the cost of desktop management by accelerating desktop provisioning, simplifying backup, and increasing user productivity
- **Easier business continuity, disaster recovery, and pandemic planning**—RingCube vDesk automatically backs up every desktop to a network file share. If a user loses their McAfee Encrypted USB drive containing their vDesk Workspace, they can login to the vDesk user portal to download an up-to-date copy of their personalized desktop to a new McAfee Encrypted USB drive and be up and running in minutes. When a drive is lost, the vDesk workspace on the lost drive can be remotely disabled until it is found or completely revoked to prevent any further access.

Key Features

- **Install and run vDesk workspaces securely from the USB device**—Users can conveniently and securely run their desktop environment wherever they go
- **vDesk MobileSync**—Enables users to synchronize their vDesk workspace between any of the four vDesk deployment options (PC, drive, network, VDI) and work offline
- **Centralized management**—vDesk Administration Server deploys, updates, and manages vDesk workspaces on McAfee Encrypted USB drives on an enterprise-wide scale
- **Implement strong encryption**—Removable USB storage protected using Advanced Encryption Standard (AES)-256 hardware encryption
- **Prevent unauthorized access to vDesk workspace data**—Two-factor authentication requires users to authenticate using a password and fingerprint
- **Built-in encryption key generation and certificate storage**—Prevents encryption keys from being copied because they never leave the USB drive. There is also an option to store other encryption keys and/or public key infrastructure (PKI) certificates.

About McAfee Encrypted USB

Today’s mobile workforce often carries sensitive corporate data on portable USB devices, unaware of the security risk if the drives are lost or stolen. McAfee Encrypted USB devices keep sensitive data safe and secure, wherever it goes. A variety of encrypted device options are available, ranging in storage size from one GB to 32 GB.

