



CryptoPro Secure Disk for BitLocker

CryptoPro Secure Disk for BitLocker enhances the functionality of Microsoft BitLocker to have an own PreBoot Authentication (PBA) and enables BitLocker to use established and existing authentication methods like UID/Password and Smartcard/PIN. The encryption of the hard disk, as well as the recovery mechanism are realized with Microsoft BitLocker while the user Authentication and Help-Desk mechanism are handled by CryptoPro Secure Disk for BitLocker.

This ideal combination of both technologies allows customers to establish an ease of use and cost effective solution, even without have to use TPM authentication and administration. Our centralized encryption management with different roles of administration and multi-client-capability delivers new opportunities for customers and third party service providers.

System Requirements Client:

- Windows 10
(32 und 64 Bit, UEFI Support)
- Windows 8.1
(32 und 64 Bit, UEFI Support)
- Windows 7
(32 und 64 Bit)
- Windows Vista
(32 und 64 Bit)

System Requirement Server: (for the central administration component)

- Windows Server
2008 R2
- Windows Server 2012
- Windows SQL Server
- VM Ware

Functional Overview:

- BitLocker PBA (PreBoot-Authentication)
- Network-based PBA (integrated Network-Support)
- Multi-User support enabled
- Smartcard Support
- User-ID/Password authentication based on Microsoft credentials
- Password rules according to Microsoft guidelines
- Central Administration and BitLocker policy enforcement
- Help Desk support in the PBA for forgotten passwords
- Wake-on-LAN Support

Advantages:

- Enables a secure usage of BitLocker with or without TPM module
- No user administration in the PBA (automatic capturing)
- Every User gets his own credentials (UID/Password, Smartcard/PIN)
- Rapid response and help for forgotten password or blocked Smartcard
- Help Desk mechanism are already usable in the PBA
- Independency from Hardware: i.e. TPM-Module - BIOS with specific TCG set
- Reduced costs due to integrated Help Desk mechanism