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secure your way

# CryptoPro
# Secure Disk for BitLocker

CryptoPro Secure Disk for BitLocker extends the functionality of Microsoft BitLocker with its own PreBoot Authentication (PBA), allowing the use of established authentication methods, e.g. User ID/password, SmartCard, Smartphone, OTP App and Yubi-Key for multi-user operation. The encryption of the hard disk as well as the recovery mechanisms are realized with Microsoft BitLocker, while the authentication of the different users including the necessary HelpDesk mechanisms is taken over by CryptoPro Secure Disk for BitLocker. Role-based management is also available for central administration and assignment of the policy.

This ideal combination of both technologies gives you the opportunity to deploy a secure and manageable solution, even without the use of TPM-based authentication and TPM module management.

### Supported platform client:

- Windows 11 (64 Bit, UEFI Support)
- Windows 10 (32 und 64 Bit, UEFI Support)

### Supported platform server:

- Windows Server
- Windows SQL Server
- VM Ware

## Advantages of the solution:

**NEW**

- authentication into BitLocker and Windows with 2FA (Smartphone OTP e.g. MS Authenticator, YubiKey or VSC)
- Offline User Self-Service 24/7 with the smartphone for forgotten BitLocker or Windows logon credentials
- Enables safe operation of BitLocker with and without TPM
- Each user uses his own access data (multi-user operation with name/password, smartcard in the BitLocker PBA)
- Roaming User (Each user can log in to each workstation)
- Friendly Network Mode/Network Unlocking ensures smooth and trouble-free operation without changing established processes
- Transparent and secure operation possible even without PBA (DMA Cold boot hack are not possible)
- No hardware dependency (TPM, BIOS, UEFI)
- Reduced operating costs through integrated Help desk and optimized workflow processes
- Creation of BitLocker compliance reports including graphical representation
- Secure Erase (secure, BDSG-compliant deletion of hard disks) including report creation

## Overview of functions:

- Own BitLocker PBA (PreBoot authentication)
- Network-enabled PBA (integrated IP stack)
- Multi-user capability
- Smart Card and Smart Card Reader Support
- User ID/Password Authentication based on Microsoft Credentials
- Password rules according to Microsoft guidelines
- Single SignOn to the operating system
- Central administration and policy enforcement also for BitLocker settings and recovery keys
- Offline and online help desk in PBA for forgotten passwords and smart cards
- 802.1X Support in PBA (Cable and WLAN)

**CryptWare IT Security GmbH**
Frankfurter Str. 2
65549 Limburg

Phone: +49 (0) 6431 977790 - 0
Fax:   +49 (0) 6431 977790 - 22
info@cryptware.eu

**www.cryptware.eu**