



# Panda Full Encryption

The first line of defense to protect data simply and effectively



According to Gartner<sup>1</sup>, **a laptop is stolen every 53 seconds**, and it seems clear that the **growing amount of data** stored on endpoints has increased the **interest** in it and the **risk** of suffering a **data security breach due to loss, theft or unauthorized access to information**.

This has resulted in regulations such as the GDPR<sup>2</sup> in the European Union and the CCPA<sup>3</sup> in the United States, among others, becoming more demanding in an effort to reduce the increasing likelihood of loss, theft or unauthorized access to data and the serious economic impact this may have on organizations.

## STRENGTHEN SECURITY AGAINST UNAUTHORIZED ACCESS CENTRALLY

One of the most efficient ways to **minimize data exposure** is to **automatically** encrypt the hard disks of desktops, laptops and servers, **preventing unauthorized users from accessing the encrypted information without the appropriate key**. This policy provides an additional layer of security and control for organizations, although it may also lead to **data control** and **recovery** issues if the key is lost.

**Panda Full Encryption**<sup>4</sup> leverages **BitLocker**, a proven and stable Microsoft technology, to encrypt and decrypt disks without impacting end users and providing organizations with the added value of **centrally controlling and managing** the encryption keys stored on Panda Security's **cloud-based management platform: Aether**.



Panda Full Encryption dashboard in Aether's web management console with key indicators of the encryption status of endpoints across the organization.

## BENEFITS

- **Prevent loss, theft and unauthorized access to data without impacting users**

Encrypt your disks and **protect their content** against theft, accidental loss and malicious insiders. Data encryption, decryption and access is **automatic, immediate, and seamless** to users.

For your convenience, recovery **keys** are **stored and recovered securely** from the cloud platform and its web console.

- **No deployment or installation. No servers or additional costs. Zero problems**

Panda Full Encryption **centrally manages BitLocker**, a proven and widely-used Windows technology.

BitLocker is included out of the box in most Windows operating systems, and **with Aether Platform's web console you'll have a single centralized place to manage your devices**.

You won't need to deploy or install another **agent**, all

Aether-based solutions **share the same lightweight agent**. The ability to centrally manage recovery keys from the cloud means you **don't have to install** or maintain **servers** to manage them.

Panda Full Encryption **can be enabled immediately** and is **easily managed** through Aether Platform's user-friendly interface

- **Regulatory compliance, reports and central management**

Panda Full Encryption aids and simplifies **compliance with data protection regulations** by monitoring and enforcing BitLocker activation on Windows devices.

All Aether-based solutions provide **intuitive dashboards, detailed reports and change audits**.

Additionally, its **role-based** management allows administrators to implement different authorization levels and different policies for groups and devices from a single centralized web console.

<sup>1</sup> Gartner: [http://www.dell.com/content/topics/global.aspx/services/prosupport/en/us/get\\_connected?c=us&l=en](http://www.dell.com/content/topics/global.aspx/services/prosupport/en/us/get_connected?c=us&l=en)

<sup>2</sup> **GDPR** - General Data Protection Regulation: Forces organizations to ensure the personal information they process is protected. Failure to comply with it can result in severe fines and indirect damages.

<sup>3</sup> **CCPA** - California Consumer Privacy Act of 2018: This is the first United States law following in the footsteps of the European Union's GDPR. It applies to businesses based in California and businesses based outside the state.

<sup>4</sup> **Panda Full Encryption** is a module integrated in the Aether cloud management platform. Aether.

## KEY FEATURES

**Panda Full Encryption**, is an additional module for Panda Security's endpoint protection and advanced adaptive security solutions, designed to centrally manage full disk encryption and provide the following features:

### Full drive encryption and decryption

**Panda Full Encryption** leverages **BitLocker** to fully encrypt the drives of your Windows<sup>5</sup> laptops, desktops and servers. **Panda Full Encryption** dashboard provides global visibility into the network endpoints compatible with the feature, their encryption status and the authentication method used, and enables administrators to assign encryption settings and restrict encryption permissions.

### Centralized management and recovery of encryption keys

If the encryption key is forgotten, or there are changes to a computer's hardware, BitLocker will ask for a recovery key to start up the affected system. If required, the network administrator can get the recovery key through the management console and send it to the computer user.

### Lists and reports. Centralized policy application

The computer list in the console allows administrators to apply multiple filters based on encryption status. These lists can be exported for data analysis with external tools.

Define encryption policies from the console and view policy changes through audit reports you can present to regulatory bodies and institutions if required.

Computer ID	Group	Operating system	Encryption status	Disk encryption	Authentication method	Last connection
WIN_DESKTOP_1	Workstat	Windows 10 Pro (Version 1907) (Build 14393.003)	Encrypted	Encrypted disks	Security processor (TPM)	3/26/2019 8:35:23 AM
WIN_DESKTOP_2	Workstat	Windows 8.1 Enterprise 64 SP2 (Build 9200)	Encrypted	Encrypted (partially)	Security processor (TPM)	3/26/2019 8:55:23 AM
WIN_DESKTOP_3	Workstat	Windows 7 Ultimate 64 SP1	Encrypted	Encrypted by the user (partially)	Security processor (TPM)	3/26/2019 9:35:24 AM
WIN_DESKTOP_4	Workstat	Windows 7 Ultimate 64 SP4	Not encrypted	Not encrypted	Password	3/26/2019 8:35:24 AM

Computer list showing computers, the groups they belong to, their operating system, encryption status, and the authentication method used.

Panda Full Encryption requirements and supported platforms:  
<http://go.pandasecurity.com/full-encryption/requirements>

## Awards and certifications

Panda Security participates and is regularly awarded in independent protection and performance comparative reviews conducted by institutions such as Virus Bulletin, AV-Comparatives, AV-Test, and NSS Labs.

Panda Adaptive Defense has earned Common Criteria EAL2+ Certification.



Panda Security acknowledged as 'Visionary' in the Gartner Magic Quadrant for Endpoint Protection Platforms (EPP) 2018.

## CLOUD MANAGEMENT PLATFORM



Aether's cloud-based platform is common to all of Panda Security's endpoint solutions, simplifying security, vulnerability assessment and patch management. This, combined with Panda Full Encryption, eases monitoring, compliance, and management of endpoint encryption and decryption from a single web console. This module lets organizations centrally manage all keys and recovery features, helping manage the encrypted disks of Windows laptops, desktops and servers.

### Generates greater value in less time. Quick and easy implementation

- Deployment, installation and configuration in minutes. See the value from day one.
- Single, lightweight agent for all products and platforms (Windows, Mac, Linux, and Android).
- Automatic discovery of unprotected endpoints. Remote installation.
- Proprietary proxy and repository/cache technologies. Optimized communication even with endpoints with no Internet connection.

### Simplifies operations. Adapts to your organization

- Intuitive web console. Flexible, modular management that reduces the total cost of ownership.
- Users with total or restricted permissions and visibility. Activity audits.
- Security policies for groups and endpoints. Predefined and custom roles.
- Hardware and software inventories and change logs.

### Easy scaling of security and management capabilities over time

- Deploy modules without additional infrastructures or deployment costs.
- Real-time communication with endpoints from a single web management console.
- Dashboards and indicators for each module

<sup>5</sup> To see supported platforms click on <http://go.pandasecurity.com/full-encryption/requirements>