

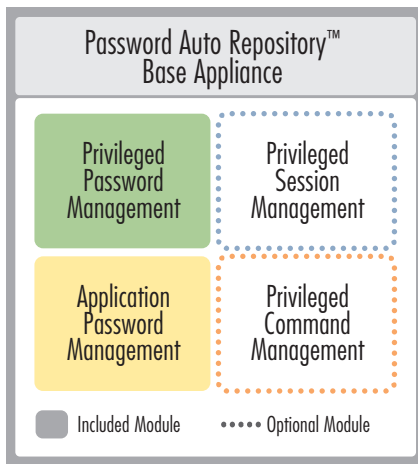
# eDMZ PAR Password Auto Repository

## Appliance Overview

**e-DMZ Security's Password Auto Repository (PAR)** is a purpose built appliance designed to deliver the security and trust demanded when deploying our Total Privileged Access Management (TPAM) suite.



## TPAM Suite



**TPAM Integration:** As an integrated secure appliance, PAR is delivered with the TPAM Privileged Password Management (PPM) and Application Password Management (APM) modules enabled.

The base appliance is “out of the box” ready to deliver the privileged password management features and functions detailed in the PPM and APM brochure (see brochures for details). As a purpose built, client/agent-less appliance, there is no additional software required for deployment. As a secure host for the TPAM Suite, the additional Privileged Session Management (PSM) and Privileged Command Management (PCM) modules can be license enabled to extend the capabilities of PAR.

## PAR Appliance Highlights:

- Easy-to-install
- Embedded HW Firewall
- Full Disk Encryption
- Scalable
- DR/BC Options
- Redundant Hardware Options
- Privileged Password Management (PPM) included
- Application Password Management (APM) included
- Privileged Session Management (PSM) optional
- Privileged Command Management (PCM) optional

**Appliance Security:** As a purpose built appliance, security is at the forefront of the PAR appliance. Enhanced security features of the PAR appliance include:

Security Enhancement	Value
No Console and/or Console Access. Only access is via associated “role based” secure web interface(s).	With no console port and/or console level access – PAR is not open to any host admin attacks, OS, database or other system level modifications
Embedded Hardware Firewall	With an embedded hardware firewall PCI card, the PAR appliance is protected against external network based attacks. The firewall also provides additional auditing.
Encryption for Stored Passwords	All passwords generated and stored are AES-256 encrypted via RSA B-Safe AES-256 algorithm.
Full Hard Drive Encryption	The entire hard drive of the PAR appliance is encrypted using GuardianEdge Hard Disk Encryption (AES-256).
Secure Communication	User connections are secured via https/SSLv3. Initial certificate is signed by e-DMZ and can be replaced with customer specific certificate. Programmatic (CLI/API) communication is via SSH2, AES256 via DSS asymmetric keys.
Database Security	Communication between the role-based web application and the underlying database only allow stored procedures to be called from the application. No ad-hoc SQL is allowed. Authentication checks are done on each stored procedure call.
Application Security	Segregation of duties is enforced through the Role Based Access Control (RBAC) designed into the application.

# Password Auto Repository

Component	Standard Appliance	Resilient /Tolerant Appliance	Enterprise Appliance
<b>Hardware*</b>			
Processor	Intel Core 2 Duo, 1.8 (2 Cores)	1x Intel Xeon E5410 QC 2.33Ghz (4 cores total)	2x Intel Xeon E5410 QC 2.33Ghz (8 cores total)
Memory	2GB PC2-5300 667, Unbuffered	2GB PC2-5300 667 Fully Buffered, Registered, ECC	4GB PC2-5300 667 Fully Buffered, Registered, ECC
Hard Disk	Seagate 160GB 7200.10	2 x Seagate 250GB, RAID1, Hot-Swappable	3 x Seagate 500GB, RAID1 with warm-standby, Hot-Swappable
Power Supply	260W, single	Redundant, Hot-swappable 700 watt	Redundant, Hot-swappable 700 watt
Fans	1x100mm blower fan	5x4cm 12,000 RPM Nidec dual blade counter-rotating fan	4x 6pin counter-rotating cooling fans
Firewall	Secure Computing PCI Firewall	Secure Computing PCI Firewall	Secure Computing PCI Firewall
Height	1.7" (43mm)	1.7" (43mm)	1.7" (43mm)
Width	16.8" (427mm)	17.2" (438mm)	17.2" (438mm)
Depth	14.0" (356mm)	26.8" (681mm)	27" (686mm)
AC Voltage	100-240V, 60-50Hz, 5-3Amp	100-240V, 50-60Hz, 10-5Amp	100-240V, 50-60Hz, 9.5 – 4.5Amp
Watts (Idle)	91	175	218
Watts (Load)	137	217	295
BTU (Idle)	311	597	744
BTU (Load)	467	741	1007
<b>System Software</b>			
Operating System	Microsoft Windows 2003 Server Web Edition	Microsoft Windows 2003 Server Web Edition	Microsoft Windows 2003 Server Standard Edition
DBMS	Microsoft SQL Server 2000 Desktop Engine	Microsoft SQL Server 2000 Desktop Engine	Microsoft SQL Server 2000 Standard Edition or Microsoft SQL Server 2000 Enterprise Edition
Password Encryption	RSA B-Safe AES-256	RSA B-Safe AES-256	RSA B-Safe AES-256
Full Disk Encryption	GuardianEdge Hard Disk Encryption	GuardianEdge Hard Disk Encryption	GuardianEdge Hard Disk Encryption
<b>PAR Features**</b>			
Max Automation Threads	10	10	100
Supported Systems	Up to 20,000 devices/accounts	Up to 30,000 devices/accounts	250,000+ devices/accounts

\* This comparison shows the current hardware platform for each of the PAR platforms. The components listed are those in the currently shipping units at the time of publication of this document, but are subject to change without notification, due to component obsolescence, unavailability, or defect notification.

\*\* Supported systems based internal testing of the number of password synchronization (check/change) accomplished in 4 – 5 hour window. Number of supported systems may vary based on configuration parameter settings.