

**Features**

**High-performance, High-capacity, Low-Cost Security Storage**

- Security WORM Multi-Volumes
- Retention period Setting(Min, Hourly, Daily, Monthly, Yearly)
- System Time-Lock, Volume Time-Lock, Old data Rebalance
- POSIX SMB/CIFS, NFS Protocols Support

**High reliability**

- Embedded Linux
- RAID 0/1/5/6/10/50/60
- HDD hot-spare
- Redundant Power Supply
- HDD hot-swap
- Ethernet trunk



**Abundant functions and features**

- Units Web GUI management
- Alarm management

WORM Model	Vault08
Hardware	
Rack Type	2U Rack Mount
Hard Disk DriveBays	8
Disks	4TB,6TB,8TB, 10TB, 12TB, 14TB
HDD Backplane	12Gb/s SAS Backplane
Storage Capacity	20TB,32TB ~ 112TB over
Data TransferRate	12Gb/s SAS, 6Gb/s SATA
RAID	0,1,10,5,6,50,60,JBOD
Processors	Intel Pentium CPU or Xeon CPU (Multi Core)
Physical Memory	Min 8GB ~ Max 512GB
Network Ports	2x1Gbe, 2x10Gbe(Optional)
RAID BusAdapter	SAS HW RAID 12Gb/s
Power Supply	Dual 800W
Physical Dimensions	100-240V~, 47-64Hz, 9.4A Height: 87.6mm Width: 444mm Depth: 670mm
Software	
Device Management	Web-based GUI, LED, Email Alarm
Protocols	TCP/IP, SMB/CIFS, NFS v3
Network	Trunk Support

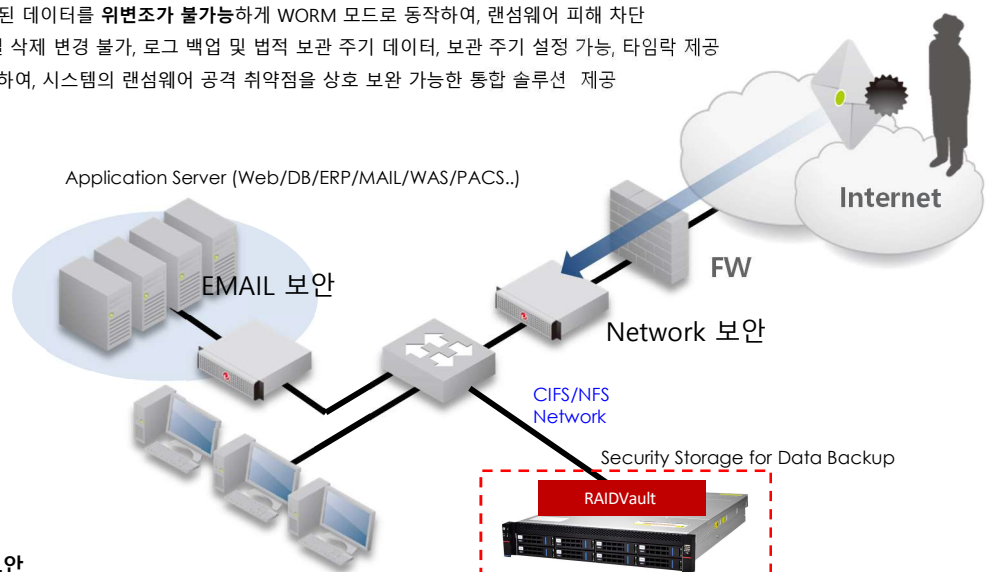


Models	Vault04	Vault08	Vault12	Vault24	Vault60-102
Rack Type	1U Rack Mount	2U Rack Mount	2U Rack Mount	4U Rack Mount	2U Rack Mount + 4U JBOD
CPU	Intel Pentium CPU 1	Intel Pentium CPU 1 or Intel XEON-E5 CPU 1	Intel XEON-E5 CPU 2	Intel XEON-E5 CPU 2	Intel XEON-E5 CPU 2
Memory	Min: 16GB Max: 32GB	Min: 16GB Max: 512GB	Min: 32GB Max: 512GB	Min: 32GB Max: 512GB	Min: 32GB Max: 512GB
Network Port	Min: 2 x 1GbE Max: 2 x 1GbE	Min: 2 x 1GbE Max: 6 x 1GbE Option: 10GbE	Min: 2 x 1GbE Max: 6 x 1GbE Option: 10GbE	Min 2 x 1GbE Max: 6 x 1GbE Option: 10GbE	Min: 2 x 1GbE Max: 6 x 1GbE Option: 10GbE
HDD-Bay	4 x SATA,SAS	8 x SATA,SAS	12 x SATA,SAS	24 x SATA,SAS	4U Rack JBOD Mount
HDD Interface	6Gb/s SATA, 12Gb/s SAS				
Capacity (RAID5 Usage)	4T: 16TB(10.91TB) 6T: 24TB(16.37TB) 8T: 32TB(21.82TB) 10T:40TB(27.28TB)	4T:32TB(25.46TB) 6T: 48TB(38.19TB) 8T: 64TB(50.93TB) 10T:80T(63.66TB)	4T:48TB(40.01TB) 6T: 72TB(60.2TB) 8T: 96TB(80.03TB) 10T:120TB(100.04TB)	4T: 96TB 6T: 144TB 8T: 192TB 10T:240TB	4T:240TB 6T: 360TB 8T: 480TB 10T: 600TB
RAID Level	0, 1, 10, 5, 6, JBOD				

## Case Solution

### 랜섬웨어&해킹 대응 백업 저장소

- 파일서버 디스크에 백업된 데이터를 **위변조가 불가능하게 WORM** 모드로 동작하여, 랜섬웨어 피해 차단
- 보관된 디렉토리 및 파일 삭제 변경 불가, 로그 백업 및 법적 보관 주기 데이터, 보관 주기 설정 가능, 타임락 제공
- Endpoint 보안 SW 연계하여, 시스템의 랜섬웨어 공격 취약점을 상호 보완 가능한 통합 솔루션 제공



#### Endpoint / PC 보안

안티멀웨어 백신으로 행위 기반 모니터링 기능을 통해 신/변종 랜섬웨어 대응 가능

#### 데이터 보안

파일서버 및 네트워크 볼륨을 통해 보관된 데이터의 위 변조 방지 기능을 이용한 랜섬웨어 차단 가능