



10 GbE



RAID 6  
Dual Parity



Veeam backup software provides the optimal backup server for virtual machines. When the backup is needed, the VMs can be started directly from Veeam thanks to internal SSD RAID and Instant Recovery.

However, because of the constant increase in ransomware attacks you should also protect yourself for this scenario, as conventional backups offer no protection against it.

To prevent these attacks Veeam V11 can be used to store immutable backups on an additional server as a hardened Linux repository.

For this EUROstor offers ES-3000HLIR servers with preinstalled Ubuntu Linux as recommended by Veeam. With the implemented XFS file system, a time period can be specified in which the backups are protected against write and delete operations, which means that there is no longer any danger of encryption, deletion, etc.

Existing Veeam backup environments can also be extended by this additional security with ES-3000HLIR servers.

## EUROstor ES-3000HLIR:

- 1 to 4 U single processor server
- up to 36 3.5" or up to 72 SAS/SATA HDDs or SSDs
- up to 720 TB RAW per Chassis with 20 TB disks (expandable with JBODs)
- AMD EPYC processor
- Ubuntu OS on mirrored SATA SSDs
- dedicated IPMI port for remote management
- 2 x 10 Gbit onboard, opt. up to 100 Gbit
- Areca Hardware RAID Controller with 12 Gbit SAS, RAID Level 0, 1, 5, 6, 10, 50, 60, hotspare
- 19" slide rails included

## Service:

- 3 years warranty, optionally up to 5 years
- free support via telephone or email
- optional: 3 to 5 years Advance Replacement Service
- optional: 3 to 5 years On-Site Service

model	disks	rackmount size	size WxHxH	PSU
ES-3008HLIR	8	2 U	437x89x648	redundant
ES-3012HLIR	12	2 U	437x89x648	redundant
ES-3016HLIR	16	3 U	437x132x648	redundant
ES-3024HLIR -2U	24x 2.5"	2 U	437x89x597	redundant
ES-3024HLIR	24	4 U	437x178x660	redundant
ES-3036HLIR	36 *	4 U	437x178x699	redundant
ES-3072HLIR	72x 3.5" **	4 U	437x178x699	redundant

\*) 24 on front, 12 on rear side

\*\*) 48 on front, 24 on rear side

specifications	
disk interface	12 Gbit SAS / SATA-II / SSD, also mixed
system architecture	<ul style="list-style-type: none"> <li>Storage server with 16 3.5" slots,</li> <li>alternatively: 12 - 36 3.5" slots, 72 2.5" slots</li> <li>AMD EPYC processor</li> <li>Supermicro H12SSL-NT motherboard</li> <li>7 PCIe 4.0 slots for expansion</li> <li>64 GB RAM, optionally up to 1 TB</li> <li>2 x 10 GbE (RJ45) onboard, opt. more and up to 100 GbE</li> <li>Ubuntu pre-installed on request</li> <li>OS on SATA SSDs in RAID 1</li> <li>Areca hardware RAID controller with 12 Gbit SAS, RAID level 0, 1, 5, 6, 10, 50, 60, Hotspare</li> <li>optional expansion ports for up to 512 drives</li> </ul>
management	<ul style="list-style-type: none"> <li>monitoring, remote management and iKVM Console over network (IPMI)</li> <li>RAID management via dedicated network port</li> </ul>
electrical	<ul style="list-style-type: none"> <li>110-230 V AC, 50-60 Hz</li> </ul>
temperature	operating: 5 – 35° C, non-operating: -40° – +60° C
rel. humidity	20% - 80% non-condensing