



RAIDIX ERA 3.3 SYSTEM REQUIREMENTS

Document version 1.0

DOCUMENT PURPOSE

This document contains information on hardware and software components compatible with RAIDIX ERA 3.3 and consists of two sections:

- Hardware requirements.
- Software requirements.

HARDWARE REQUIREMENTS

Component	Requirements
Processor	AVX support
RAM	Minimum 8 GiB

SOFTWARE REQUIREMENTS

Software component	Requirements
Operating System ¹ (Distribution)	<ul style="list-style-type: none"> • RHEL/CentOS 7.7; • RHEL/CentOS 7.8; • RHEL/CentOS 7.9; • RHEL/CentOS 8.2; • RHEL/CentOS 8.3; • RHEL/CentOS 8.4; • OpenSUSE 15.3; • SLES 15 SP3; • Oracle Linux 7.9; • Oracle Linux 8.3; • Oracle Linux 8.4; • Ubuntu 18.04.5 LTS; • Ubuntu 20.04.1 LTS; • Ubuntu 20.04.1 HWE; • Debian 10.6; • Proxmox 6.3.
Linux kernel	RHEL/CentOS 7.7 or higher: <ul style="list-style-type: none"> • kernel-3.10.0-1062.el7.x86_64 or higher within the patch versions². RHEL/CentOS 8.2 or higher: <ul style="list-style-type: none"> • kernel-4.18.0-193.el8.x86_64 or higher within the patch versions². OpenSUSE 15.3: <ul style="list-style-type: none"> • kernel-default-5.3.18-57 or higher within the patch versions². SLES 15 SP3:

Software component	Requirements
	<ul style="list-style-type: none"> • kernel-default-5.3.18-57 or higher within the patch versions². <p>Oracle Linux 7.9 or higher:</p> <ul style="list-style-type: none"> • kernel-5.4.17-2036.100.6.1.el7.x86_64 or higher within the patch versions². <p>Oracle Linux 8.3 or higher:</p> <ul style="list-style-type: none"> • kernel-5.4.17-2036.100.6.1.el8uek.x86_64 or higher within the patch versions². <p>Ubuntu 18.04.5 LTS or higher:</p> <ul style="list-style-type: none"> • kernel-4.15.0-112-generic or higher within the patch versions². <p>Ubuntu 20.04.1 LTS or higher:</p> <ul style="list-style-type: none"> • kernel-5.4.0-26-generic or higher within the patch versions². <p>Ubuntu 20.04.1 HWE or higher:</p> <ul style="list-style-type: none"> • kernel-5.8.0-23 or higher within the patch versions². <p>Debian 10.6 or higher:</p> <ul style="list-style-type: none"> • kernel-4.19.0-12-amd64 or higher within the patch versions². <p>Proxmox 6.3:</p> <ul style="list-style-type: none"> • kernel- 5.4.78-2-pve or higher within the patch versions².
Software packages	<ul style="list-style-type: none"> • coreutils; • dkms; • gcc; • make; • kernel-devel (CentOS, RHEL); • kernel-default-devel (OpenSUSE, SLES); • kernel-uek-devel (Oracle Linux); • linux-headers (Ubuntu, Debian); • pve-headers (Proxmox); • python3 (3.5 и выше); • python3-argcomplete; • python3-grpcio; • python3-grpcio-tools; • python3-protobuf; • python3-pyudev; • python3-terminaltables; • nvme-cli; • sg3-utils; • smartmontools; • udev;

Software component	Requirements
	<ul style="list-style-type: none">ledmon.

¹ Support of other Linux distributions and custom user kernels may be provided on request (request@raidix.com).

² For the kernel module **eraraid with DKMS**:

The kernel module *eraraid* uses DKMS (Dynamic Kernel Module Support) technology and is automatically built and is installed for the specified version of the Linux kernel or higher, but only within the patch versions (without kernel API or ABI changes). Patch update examples:

- 3.10.0-**1062**.el7.x86_64 >> 3.10.0-**1127**.el7.x86_64;
- 4.15.0-**112**-generic >> 4.15.0-**124**-generic.

Headers of your current kernel version are required to install the kernel module *eraraid*.

If you update the kernel, you need headers for the new kernel version.

Do not update the kernel more than a patch update (with kernel API or ABI changes) because the kernel module *eraraid* will not be loaded. For example:

- 4.15.0-112-generic >> 4.**18**.0-13-generic;
- 4.15.0-112-generic >> 5.4.0-26-generic).

For the kernel module **eraraid without DKMS**:

The kernel module *eraraid* is installed only for the specified version of the Linux kernel. The kernel module *eraraid* will not be loaded after a system kernel update.