|  |  |
| --- | --- |
| Operating System | Windows 7 Professional 32-bit |
| CPU | Intel Pentium G3220 @ 3.00GHz  Socket: FCLGA1150 |
| RAM | 4.00GB Single-Channel DDR3 @ 665MHz |
| Motherboard | Gigabyte Technology Co. Ltd. H81M-S2PV (SOCKET 1150) |
| Graphics | DELL 1708FP (1280x1024@60Hz) Intel HD Graphics (Gigabyte) |
| Storage | 111GB KINGSTON SV300S37A120G SCSI Disk Device (SSD), 931GB Western Digital WDC WD10EZEX-08M2NA0 SCSI Disk Device (SATA) |
| Optical Drives | No optical disk drives detected |
| Audio | Realtek High Definition Audio |

Maintaining systems

system 1

**Current state**

In current state these devices are outdated and on the low-end spectrum of performance. They are still usable for basic tasks like text editing or remote administrative work.

This system has a motherboard that is outdated which limits the possible upgrades. It has LGA 1150 CPU socket, it means we cannot use the latest Skylake(7th) series from Intel.

Although we already have an operating system installed, it is 32bit system. Therefore, we cannot use more than 4GB of RAM.

**How should we upgrade this system?**

It depends on what software we are going to use.

If employees use software that doesn’t require complicated 3D rendering, it is fine to upgrade according to **Appendix A**

For those employees that get their hands into a lot of 3D rendering and power hungry software. I recommend upgrading according to **Appendix B.**

**Why did we pick these upgrades?**

Each employee has their role and that is why we need to pick the best tools suited for a given job.

To be more specific, when we upgrade systems, we need to compare the performance to cost. This means we want to buy what we need, when we are never going to use a specific component up to its full potential why even bother buying it.

**Why should we upgrade our systems?**

Every computer is used to do something, some are for generic daily use like web browsing. When we need them to do something more specific and complicated, we need them to be able to do those tasks by making sure they have the components able of doing those tasks.

To make business successful deadline need to be met on time. That can only be achieved when we have stable systems on which we can rely. We upgrade our systems so that we are more productive and compatible with the latest software.

**What components need to be upgraded?**