System Requirements

Supported Python Versions

- Up to v3.6

Supported Operating Systems

Windows (64-bit only)

- Windows 10
- Windows 8.1
- Windows 7 SP 1
- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012

Minimum System Requirements

- **CPU:** Dual-core modern Intel / AMD
- **GPU:** Intel HD 4000 level graphics
- **Storage:** HDD 5400 RPM
- **RAM:** 4 GB DDR2 800 MHz

Recommended System Specs

- **CPU:** 8+ core modern Intel / AMD
- **GPU:** Nvidia Quadro 600 or greater
- **Storage:** SSD SATA 3.0 or greater
- **RAM:** 16+ GB DDR3 1600 MHz

MIPAR API performance greatly depends on workstation hardware. Workstation that is running the API should have similar specifications to the workstation where the recipe was built in order to achieve similar performance.

GPU Support

Only NVIDIA GPUs are supported for GPU computation at this time. Click here to learn more about the technical aspects and benefits of GPU computation.

GPU

A GPU is strongly recommended for training deep learning models. Training performance on a GPU can be up to 20x faster than on a CPU, and can shorten training time from weeks to hours.

> * GPU training requires an NVIDIA GPU with **compute capability 3.0 or higher** (Kepler, Maxwell, Pascal, Volta, or Turing architecture), and your driver must support **CUDA Toolkit 10 or higher**. We recommend you update your NVIDIA driver to the latest version here. Learn more about CUDA here.

Below is a list of recommended GPU options:

	Basic	Mid-Range	Performance	High-End
GeForce GTX 1060	x			
GeForce GTX 1070	x			
GeForce GTX 1080		x		
GeForce RTX 2060		x		
GeForce RTX 2070			x	
GeForce GTX 1080 Ti			x	
Titan Xp			x	
GeForce RTX 2080			x	
GeForce RTX 2080 Ti				x
Titan RTX				x
Titan V				x
Tesla V100				x

A GPU is also recommended for applying deep learning models. Application performance on a GPU can be up to 20x faster than on a CPU.