



# nTeligence NLU-1

## Natural Language Understanding Workstation

The NLU-1 is the world's most powerful\* and advanced Natural Language Understanding (NLU) workstation. From a software perspective, it is designed to be a single ubiquitous platform on which to develop and deploy both chatbots and intelligent virtual assistants. Seamlessly combining both symbolic reasoning along with text based deep learning. Utilizing both technologies in tandem will enable your firm to

build more intelligent conversational agents, that can fully understand the True Meaning™ of written and spoken sentences. The software environment is targeted primarily at skilled technical professionals, including knowledge engineers, logic programmers, and data scientists. It is a complete turnkey environment, including all of the needed backend infrastructure, programming languages, development and debugging tools, libraries and associated frameworks.

From a hardware perspective, the NLU-1 was designed to fill a void which exists between general purpose desktop workstations, rack mounted servers, and gaming PCs. It is powered by AMD's 3<sup>rd</sup> generation 3990x Threadripper microprocessor, which boasts 64 CPU cores, supports 128 threads, has a maximum clock speed of 4.3 Ghz, up to 288 MB of combined cache (L1, L2 and L3), and 88 PCIe Gen4 lanes to meet demanding data transfer requirements. It also includes 192 GB of quad channel 3200 mhz DDR4 memory, a blazingly fast 1 TB PCIe 4.0 NVMe solid state drive, and a liquid cooling system complete with a radiator, coolant, and variable speed pump. In addition, to support building and running deep learning models, it incorporates a Geforce RTX 3090 graphics adapter. This video card has 24GB of GDDR6 memory, and is based upon the latest NVIDIA Ampere GA102 GPU, having a total of 10,496 CUDA cores. The GA102 is capable of being partitioned into multiple GPUs if needed.

Expected delivery time is somewhere between 2-3 weeks. For additional information, current pricing, or to place an order, please contact our sales department at [info@nteligence.com](mailto:info@nteligence.com) or call 609-651-0070.

\*Based Upon a Single CPU/GPU Configuration