



nTeligence NLU-1 Natural Language Understanding Appliance

The NLU-1 is the world's most powerful* and advanced Natural Language Understanding (NLU) appliance. From a software perspective, it is designed to be a

single integrated platform on which to develop and deploy both chatbots and intelligent virtual assistants. Seamlessly combining symbolic reasoning, along with text based deep learning. Using both technologies together will enable your organization to build more intelligent, and lifelike, conversational AI agents. Applications which can fully understand the True Meaning™ of written and spoken sentences. The benefit to your organization is being able to contain a higher percentage of conversations, with fewer abandoned chats. As well as provide an improved customer experience. The software environment is targeted at skilled technical professionals, including knowledge and machine learning engineers, logic programmers, and data scientists. It is a complete turnkey environment, that includes all of the infrastructure, programming languages, libraries, and development tools that you will need.

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 3rd 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 terabyte PCIe 4.0 NVMe solid state drive, and a liquid cooling system complete with a radiator 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, and is fully compatible with today's widely available 4K monitors.

For additional information, current pricing, or to place an order, please contact our sales department at info@nteligence.com or call 609-651-0070.

*Based Upon a Single CPU/GPU Configuration