

Introduction of Iluvatar CoreX Inc.

Iluvatar CoreX (the “Company” or “Iluvatar”) is a leading developer of high performance computing solutions including System-on-a-Chip (SoC) chipset and its proprietary software platform. The Company was founded in December 2015 to address a fundamental need of the rapidly evolving Artificial Intelligence technology meeting the need for scalable, high performance computing power for both edge devices and cloud-based applications. Iluvatar was founded by a group of world-class software and semiconductor experts from Silicon Valley and China which have been working together for more than two decades in the field of AI at companies like Oracle, AMD and ATI, among others.

Iluvatar has assembled a group of experts in system software, computing middleware, algorithms, parallel processing, GPU, AI and IC design to develop end-to-end high-performance processing solutions in-house. Today’s processing solutions available in the market are unable to meet the computing power needs for Artificial Intelligence applications. Iluvatar CoreX solution addresses these limitations by creatively exploiting the advantages of ultra-large-scale parallel computing architecture, with its general-purpose, standard, and high-performance cloud computing SoC solution (GP-GPU). Iluvatar solution is already proven. For the last three years, the Company has been shipping its new generation of data processing software technology (soft silicon) named SkyDiscovery. This general-purpose, standard, and high-performance computing platform software, which has already evolved over several versions, meets the new high performance computing needs of AI applications and provides a platform to develop its SoC products.

Iluvatar is focused on enterprise-grade products and solutions and also develops domain-specific, data-centric solutions for specific AI applications using its chipset and platform software. These solutions include: SkyACC, a hybrid-cloud computing AI PaaS solution; SkyAXE, an AI computing appliance; SkyFrong, AI vertical applications for high-end manufacturing; SkyHealth, AI for public health applications; SkyEdu, which is tailored to education; and SkyFin for banking and Finance. This market-oriented approach and full-stack system allows Iluvatar CoreX to shorten the time-to-market and the implementation cycle of its enterprise solutions for the rapidly evolving AI needs. Iluvatar CoreX is the ONLY cloud AI computing platform and system Company with roots in China.

As a pioneer of platform software and hardware system for the new era of AI, Iluvatar CoreX pursues an open source strategy to expand the ecosystem of upstream and downstream partners. A set of AI coprocessor/accelerator IPCore and associated software, Iluvatar OpenCore, will be open-sourced in 2018. Through Iluvatar OpenCore, the company hopes to contribute computing efficiency for edge devices and be able to accelerate development of related vertical applications, which in turn will continue to expand Iluvatar CoreX’s ecosystem.



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With the continuous efforts of world-class technology teams and marketing teams, Iluvatar CoreX continues to expand customers. customers include top tier international companies who fully validate its technology, also include large scale Chinese companies such as CRRC, China State Grid Group, Wuhan Tongji Hospital and Nanjing General Hospital.

Iluvatar CoreX adheres to the concept of rapid, sustainable, safe and happy development, focusing and iteration in the continuous play of strengths. With the vision of "integration of the core and soul in the AI era", Iluvatar CoreX aspires to achieve the integration of knowledge and practice in China's high-tech information industry.