# CHAINTECH

# Chaintech Technology Corporation

## Investment Forum

2020.12.04

# Declaration

**CHAINTECH**

The information in this document won't contain financial forecasts .
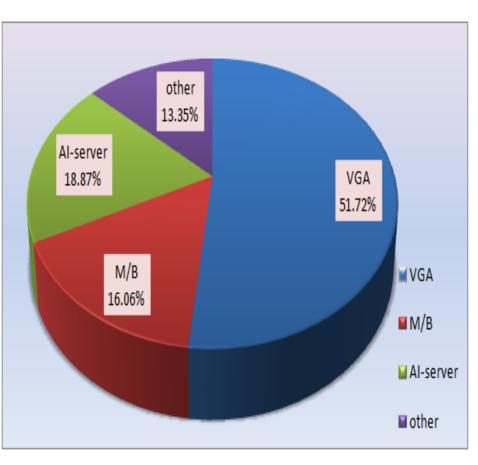
The information in this document was acquired from TSE MOPS and sources available to the company.
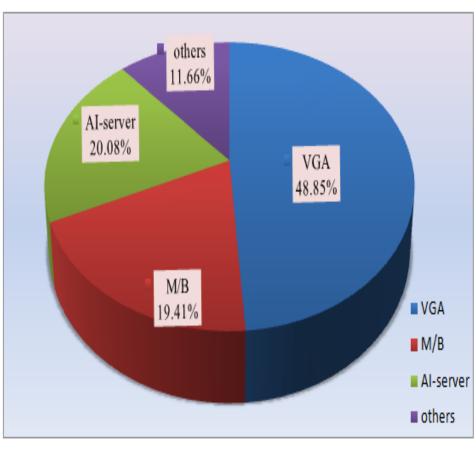
# Product Portfolio

2020/1/1-9/30

2019/1/1-12/31



| VGA | M/B | AI-server | other | Total |
|---|---|---|---|---|
| 51.72% | 16.06% | 18.87% | 13.35% | 100.00% |

| VGA | M/B | AI-server | others | Total |
|---|---|---|---|---|
| 48.85% | 19.41% | 20.08% | 11.66% | 100.00% |

# Financial Statement

# Statement of Comprehensive Income(QoQ)

**CHAINTECH**

| Accounting Title/Unit:KNTD | 2020 Q3 (7/1-9/30) | % | 2020 Q2 (4/1-6/30) | % | QoQ (%) |
|---|---|---|---|---|---|
| Operating revenue | 1,567,190 | 100.00 | 1,022,128 | 100.00 | 53.33 |
| Operating costs | 1,446,623 | 92.31 | 921,240 | 90.13 | 57.03 |
| Gross profit (loss) from operations | 120,567 | 7.69 | 100,888 | 9.87 | 19.51 |
| Operating expenses | 52,017 | 3.32 | 39,212 | 3.84 | 32.66 |
| Net operating income | 68,550 | 4.37 | 61,676 | 6.03 | 11.15 |
| Non-operating income and expenses | (9,456) | (0.60) | (5,589) | (0.55) | 69.19 |
| Profit from continuing operations before tax | 59,094 | 3.77 | 56,087 | 5.49 | 5.36 |
| Tax (expense)income | (233) | (0.01) | (2,845) | (0.28) | (91.81) |
| Net Income | 58,861 | 3.76 | 53,242 | 5.21 | 10.55 |
| Profit (loss), attributable to owners of parent | 45,909 | 2.93 | 44,696 | 4.37 | 2.71 |
| Profit (loss), attributable to non-controlling interests | 12,952 | 0.83 | 8,546 | 0.84 | 51.56 |
| Total: | 58,861 | 3.76 | 53,242 | 5.21 | 10.55 |
| Diluted earnings per share | 0.48 | | 0.46 | | 4.35 |

Data Source:Consolidated financial Report

# Statement of Comprehensive Income2020(YoY)

**CHAINTECH**

| Accounting Title /Unit:KNTD | 2020 Q3 (7/1-9/30) | % | 2019 Q3 (7/1-9/30) | % | YoY(%) |
|---|---|---|---|---|---|
| Operating revenue | 1,567,190 | 100.00 | 1,208,419 | 100.00 | 29.69 |
| Operating costs | 1,446,623 | 92.31 | 1,131,089 | 93.60 | 27.90 |
| Gross profit (loss) from operations | 120,567 | 7.69 | 77,330 | 6.40 | 55.91 |
| Operating expenses | 52,017 | 3.32 | 60,271 | 4.99 | (13.69) |
| Net operating income | 68,550 | 4.37 | 17,059 | 1.41 | 301.84 |
| Non-operating income and expenses | (9,456) | (0.60) | 36,478 | 3.02 | (125.92) |
| Profit from continuing operations before tax | 59,094 | 3.77 | 53,537 | 4.43 | 10.38 |
| Tax (expense)income | (233) | (0.01) | 9,910 | 0.82 | (102.35) |
| Net Income | 58,861 | 3.76 | 63,447 | 5.25 | (7.23) |
| Profit (loss), attributable to owners of parent | 45,909 | 2.93 | 61,885 | 5.12 | (25.82) |
| Profit (loss), attributable to non-controlling interests | 12,952 | 0.83 | 1,562 | 0.13 | 729.19 |
| Total: | 58,861 | 3.76 | 63,447 | 5.25 | (7.23) |
| Diluted earnings per share | 0.48 | | 0.61 | | (21.31) |

Data Source:Consolidated financial Report

# 2020Q3 Consolidated Condensed Balance Sheets-1

**CHAINTECH**

| Accounting Title / Unit:KNTD | 2020/9/30 | % | 2019/12/31 | % | 2019/9/30 | % |
|---|---|---|---|---|---|---|
| Cash and cash equivalents | 344,158 | 12.36 | 360,088 | 15.12 | 609,402 | 22.34 |
| financial assets at fair value through profit or loss-Current | 174,979 | 6.28 | 184,273 | 7.74 | 2,010 | 0.07 |
| Accounts receivable, net | 472,630 | 16.98 | 335,326 | 14.08 | 394,168 | 14.45 |
| Accounts receivable due from related parties, net | 733,001 | 26.33 | 616,786 | 25.90 | 619,607 | 22.71 |
| other receivable | 300 | 0.01 | 2778 | 0.12 | 48,164 | 1.77 |
| Current tax assets | 24,310 | 0.87 | 9,044 | 0.38 | 23,823 | 0.87 |
| inventories | 347,647 | 12.49 | 346,795 | 14.56 | 521,379 | 19.11 |
| prepaid | 47,039 | 1.69 | 51,882 | 2.18 | 35,988 | 1.32 |
| Other current assets | 50,440 | 1.81 | 63,085 | 2.65 | 50,658 | 1.86 |
| Total current assets | 2,194,504 | 78.82 | 1,970,057 | 82.72 | 2,305,199 | 84.50 |
| financial assets at fair value through other comprehensive income-non-current | 168,155 | 6.04 | 137,045 | 5.75 | 115,085 | 4.22 |
| Investments accounted for using equity method | 147,541 | 5.30 | - | - | - | - |
| Property, plant and equipment | 43,427 | 1.56 | 62,003 | 2.60 | 68,674 | 2.52 |
| Right-of-use asset | 12,377 | 0.44 | 11,364 | 0.48 | 10,906 | 0.40 |
| Intangible assets | 178,642 | 6.42 | 188,971 | 7.93 | 219,356 | 8.04 |
| Deferred tax assets | 1,916 | 0.07 | 3,435 | 0.14 | 492 | 0.02 |
| Other non-current assets | 37,638 | 1.35 | 8,740 | 0.37 | 8,284 | 0.30 |
| Total non-current assets | 589,696 | 21.18 | 411,558 | 17.28 | 422,797 | 15.50 |
| Total assets | 2,784,200 | 100.00 | 2,381,615 | 100.00 | 2,727,996 | 100.00 |

Data Source:Consolidated financial Report

# 2020 Q3 Consolidated Condensed Balance Sheets-2

**CHAINTECH**

| Accounting Title / Unit:KNTD | 2020/9/30 | % | 2019/12/31 | % | 2019/9/30 | % |
|---|---|---|---|---|---|---|
| Short-term loan | 406,129 | 14.59 | 156,597 | 6.58 | 171,496 | 6.29 |
| Current contract liabilities | 21,200 | 0.76 | 14,545 | 0.61 | 61,995 | 2.27 |
| Accounts payable | 437,046 | 15.70 | 358,884 | 15.07 | 509,189 | 18.67 |
| Accounts payabledue from related parties, net | 8,163 | 0.29 | 10,741 | 0.45 | 16,756 | 0.61 |
| Other payables | 61,120 | 2.20 | 98,983 | 4.16 | 64,122 | 2.35 |
| Current tax liabilities | 5,762 | 0.21 | - | - | - | - |
| Current lease liabilities | 5,096 | 0.18 | 5,942 | 0.25 | 4,711 | 0.17 |
| Other current liabilities | 595 | 0.02 | 442 | 0.02 | 146 | 0.01 |
| Total current liabilities | 945,111 | 33.95 | 646,134 | 27.13 | 828,415 | 30.37 |
| Deferred tax liabilities | 3,257 | 0.12 | 5,489 | 0.23 | 10,518 | 0.39 |
| Non-current lease liabilities | 7,527 | 0.27 | 5,619 | 0.24 | 6,355 | 0.23 |
| Other non-current liabilities | 4,034 | 0.14 | 4,130 | 0.17 | 3,089 | 0.11 |
| Total non-current liabilities | 14,818 | 0.53 | 15,238 | 0.64 | 19,962 | 0.73 |
| Total liabilities | 959,929 | 34.48 | 661,372 | 27.77 | 848,377 | 31.10 |

Data Source:Consolidated financial Report

# 2018 Q3  Consolidated Condensed Balance Sheets-3

**CHAINTECH**

| Accounting Title / Unit:KNTD | 2020/9/30 | % | 2019/12/31 | % | 2019/9/30 | % |
|---|---|---|---|---|---|---|
| capital stock | 1,014,988 | 36.46 | 1,014,988 | 42.62 | 1,014,988 | 37.21 |
| Legal reserve | 132,984 | 4.78 | 122,290 | 5.13 | 122,290 | 4.48 |
| Special reserve | 97,541 | 3.50 | 112,514 | 4.72 | 112,514 | 4.12 |
| Unappropriated retained earnings | 614,043 | 22.05 | 551,542 | 23.16 | 560,196 | 20.54 |
| other equity interest | (70,351) | (2.53) | (97,541) | (4.10) | (114,686) | (4.20) |
| Treasury shares | (151,746) | (5.45) | (151,746) | (6.37) | - | - |
| Total equity attributable to owners of parent | 1,637,459 | 58.81 | 1,552,047 | 65.17 | 1,695,302 | 62.14 |
| Non-controlling interests | 186,812 | 6.71 | 168,196.00 | 7.06 | 184,317 | 6.76 |
| Total equity | 1,824,271 | 65.52 | 1,720,243 | 72.23 | 1,879,619 | 68.90 |
| Total liabilities and equity | 2,784,200 | 100.00 | 2,381,615 | 100.00 | 2,727,996 | 100.00 |

Data Source:Consolidated financial Report

# Financial Ratio

| Item | 2020.09.30 | 2019.12.31 |
|------|-----------:|-----------:|
| Debt Ratio | 34.48% | 27.77% |
| Current Ratio | 232.20% | 302.73% |
| Quick Ratio | 190.43% | 241.47% |
| AR Turnover | 3.8 | 5.04 |
| Days sales in AR | 96day | 72.42day |
| Inventory Turnover | 10.68 | 19.42 |
| Average days in sales | 34.18days | 18.79days |
| Cash Flow Ratio | -6.98% | -10.93% |

# Consolidated Condensed Cash Flow Statements

| Accounting Title / Unit:KNTD | 2020/1/1To9/30 | 2019/1/1To9/30 |
|---|---|---|
| Cash flows from operating activities | | |
| Profit (loss) from continuing operations before tax | 112,974 | 138,024 |
| Profit (loss) from discontinuing operations before tax | - | (8,485) |
| Profit (loss) before tax | 112,974 | 129,539 |
| Adjustments | | |
| Depreciation expense | 24,025 | 18,500 |
| Amortization expense | 8,730 | 12,049 |
| Expected credit loss (gain) / Provision (reversal of provision) fo | 1,784 | 207 |
| Net loss (gain) on financial assets or liabilities at fair value | 3,803 | (255) |
| Interest expense | 4,991 | 3,379 |
| Interest income | (602) | (3,813) |
| Dividend income | (3,079) | (3,053) |
| Share of loss (profit) of associates and joint ventures accounted f | (167) | - |
| Loss (gain) on disposal of non-current assets classified as held f | - | (26,313) |
| Changes in operating assets | | |
| Decrease (increase) in financial assets at fair value through profit or loss, mandatorily measured at fair value | - | - |
| Decrease (increase) in accounts receivable(include due from related parties ) | (256,104) | 98,989 |
| Decrease (increase) in other receivable | 2,478 | (58,322) |
| Decrease (increase) in inventories | (1,232) | (338,496) |
| Decrease (increase) in prepayments | 4,843 | (34,366) |
| Decrease (increase) in other current assets | (33) | 30,248 |
| Decrease (increase) in other operating assets | 1,214 | (19,467) |

Data Source:Consolidated financial Report

# Consolidated Condensed Cash Flow Statements

**CHAINTECH**

| Accounting Title / Unit:KNTD | 2020/1/1To9/30 | 2019/1/1To9/30 |
|---|---|---|
| Changes in operating liabilities | | |
| Increase (decrease) in contract liabilities | 6,655 | 53,303 |
| Increase (decrease) in notes & accounts payable | 75,947 | 234,696 |
| Increase (decrease) in other payable | (37,919) | 1,045 |
| Increase (decrease) in other current liabilities | 153 | (23,221) |
| Cash inflow (outflow) generated from operations | | |
| Interest received | 602 | 3,968 |
| Dividends received | 3,079 | 3,053 |
| Interest paid | (4,935) | (2,642) |
| Income taxes refund (paid) | (13,141) | (59,056) |
| Net cash flows from (used in) operating activities | (65,934) | 19,972 |

# Consolidated Condensed Cash Flow Statements

| Accounting Title / Unit:KNTD | 2020/1/1To9/30 | 2019/1/1To9/30 |
|---|---|---|
| Cash flows from (used in) investing activities | | |
| Increase in other non-current assets | (17,435) | (18,007) |
| Net cash flow from acquisition of subsidiaries | - | (160,987) |
| Proceeds from disposal of subsidiaries | - | 151,565 |
| Acquisition of property, plant and equipment | (121) | (48,983) |
| Acquisition of investments accounted for using equity method | (150,000) | - |
| Net cash flows from (used in) investing activities | (167,556) | (76,412) |
| Cash flows from (used in) financing activities | | |
| Increase in short-term loans | 249,532 | 171,496 |
| Increase in guarantee deposits received | (65) | 1,715 |
| Payments of lease liabilities | (5,340) | (3,857) |
| Cash dividends paid | (28,950) | (152,246) |
| Net cash flows from (used in) financing activities | 215,177 | 17,108 |
| Effect of exchange rate changes on cash and cash equivalents | 2,383 | (4,177) |
| Net increase (decrease) in cash and cash equivalents | (15,930) | (43,509) |
| Cash and cash equivalents at beginning of period | 360,088 | 652,911 |
| Cash and cash equivalents reported in the statement of financial position | 344,158 | 609,402 |

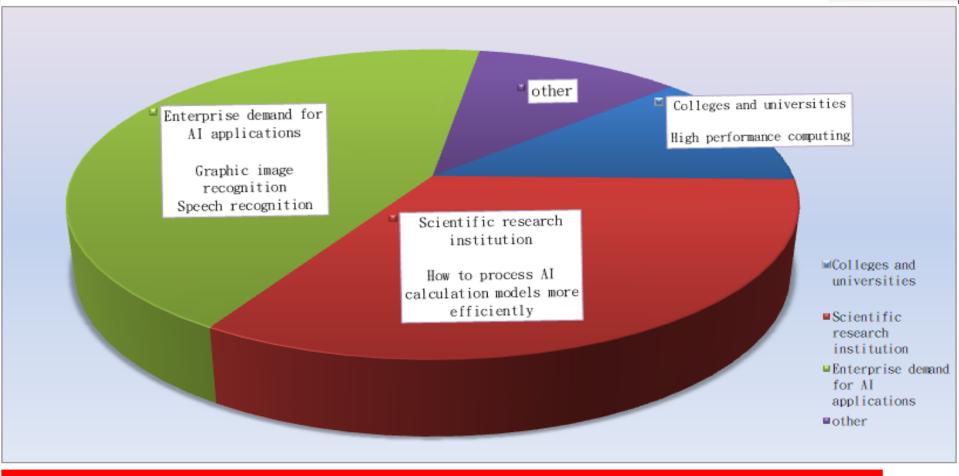Data Source:Consolidated financial Report

# 2021 Prospect

- Graphics cards are expected to maintain a stable

  demand in the first half of the year

- AI server market will grow continuously

- Application Technology  Dep

  develop in software application technology and AI

  software and hardware system integration continuously

# Invest in AI

Focus on AI SERVER SI & Application Technology

**CHAINTECH**



| Colleges and universities | Scientific research institution | Enterprise demand for AI applications | other | TOTAL |
|---|---|---|---|---|
| 12.02% | 33.37% | 43.74% | 10.87% | 100.00% |

## Project background:

Beijing Tsinghua Changgeng hospital integrates medical treatment, teaching, scientific research, prevention and rehabilitation, and has a complete set of medical departments, including more than 40 clinical and medical technical departments, including internal medicine system, surgical system, gynecology, pediatrics, ophthalmology, Stomatology, laboratory, pathology and imaging. Now, we are committed to AI medical care, and promote the rapid improvement of the overall medical level of the hospital.

## Core requirements:

Based on the development trend of modern advanced medical research, Changgeng hospital, as a new hospital, has a great demand for data processing of cases and etiology. The medical image data of patients is very large, and the original equipment can not meet the needs of a large number of data reasoning. New hospitals need to match and judge the medical images pathologically to reduce the occurrence of medical accidents.

## Solution:

According to the needs of Tsinghua Changgeng hospital, the Changgeng hospital needs to match the medical images. In the early stage, it needs to carry out model training for calculation nodes. After the training, it uses reasoning nodes to match medical images and judge pathology. Therefore, our company provides several computing nodes, management nodes and inference nodes to form a server cluster to meet the needs of Changgeng hospital.

## IW4200-8G:

- Use Intel® Xeon® E5-2600 v3/v4 series processor, QPI 9.6GT/s;
- It can support up to 8 NVIDIA Tesla? P4 / P100 / P40 / V100 and other mainstream GPU computing cards;
- 24 memory slots, supporting up to 3TB DDR4 server memory;
- Massive storage space, 24 disk 2.5 inch hard disk, up to 48 disk, 120tb (compatible with 3.5-6 disk);
- Ultra high speed interconnection technology;
- High reliability, high stability and high availability;
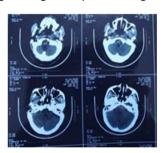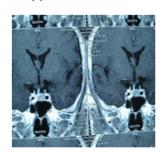- 1600W 2 + 2 Platinum grade redundant power supply

## Core requirements:

1. The computing cluster needs to meet the requirements of high-throughput genomic data processing and intelligent pathological image recognition, and needs to integrate high-performance computing system, storage system, basic software and parallel environment, cluster management and job scheduling system;

2. The computing cluster should have strong expansion ability, which can easily realize the node increase, system expansion and upgrade;

3. The computing platform can be compatible with research project solutions and corresponding software systems, such as high-throughput genomics data processing related software and process development, intelligent pathological image recognition algorithm transplantation, etc., providing parallel computing application analysis;

4. Reduce the difficulty of equipment management in the data center as far as possible, simplify the architecture, and achieve the purpose of easy application.

## Solution:

The GPU computing node includes IW4200-10G high-performance computing server independently developed by SitonHoly, and the inference node includes Itanium helix IW2200-4G. The whole system includes a computing platform for sequence comparison and sequence splicing, a computing platform for medical image processing, a massive storage and backup system for sequencing data and image data, and a high-speed network system. Users have achieved considerable performance improvement in biological information processing, medical image recognition, intelligent sequencing, biological big data processing and other applications.
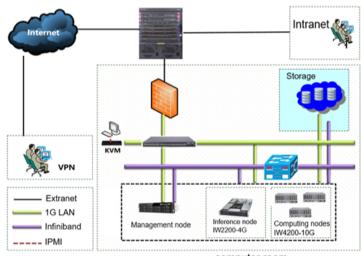
## Summary:

The subsequent tests show that it takes several days to process the completed data sets on the original CPU cluster. With the help of the newly built GPU cluster, the time complexity can be reduced to minutes. Through the construction of high-performance computing cluster of SitonHoly, Tiantan Hospital can carry out the processing and analysis of DNA detection data of pathogenic mutation and drug metabolism genes of patients with single gene disease, research on deep learning algorithm for large-scale multi-modal medical image data, and the establishment of neural system disease gene database. The construction of SitonHoly GPU cluster platform can improve the quality of scientific research Shorten the research cycle, reduce the cost of scientific research, and help Tiantan Hospital to make a major breakthrough in the frontier technology of precision medicine.

Topology of server cluster system

## Core requirements:

There are three aspects of the human face, the human and the car, In view of these three aspects, DeepGlint has launched several innovative products, including haomu behavior analyzer, Weimu vehicle big data system, Weimu video structured system, Weimu face recognition system, Weimu view big data platform, and deep pupil human eye camera. The core of these products is mature neural network, most of which are based on deep learning The training process of data and model is very time-consuming. In addition, the speed of the trained model in reasoning prediction comparison is not ideal.
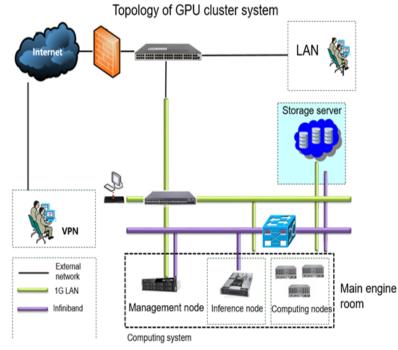


SitonHoly IW2210-4G support 4*NVIDIA Tesla T4

## Solution:

According to the actual needs of customers, SitonHoly puts forward the overall solution of high-performance computing cluster. GPU server and CPU server are combined to form a high-performance heterogeneous computing cluster to meet the problem of insufficient computing power in this project. In addition, the whole cluster is equipped with a number of inference servers specially designed for inference and prediction comparison, equipped with NVIDIA Tesla, which is specially designed for reasoning T4 GPU computing card greatly solves the problems existing in the process of customer development and landing。



Topology of GPU cluster system

## Summary:

After the application of smart GPU heterogeneous cluster solution, the model training speed has been greatly improved, greatly shortening the research and development cycle. At the same time, the verification speed of deep neural network model has also been greatly improved, greatly saving the research and development cost.

# Chaintech AI Platform Features

## Easily Build And Manage AI Development Environment

Chaintech AI Platform supports mainstream computing architectures, libraries and frameworks, eliminates the complexity of building and managing environment of advanced AI analytics applications.

Architectures, libraries and frameworks support：NVIDIA CUDA-X AI（Rapids、CuDNN、NCCL、TensorRT）、AMD ROCm、TensorFlow、Keras、Caffe、Pytorch、MXNet、CNTK、Chainer、Torch、Theano、OpenMPI、OpenCV、Slurm…

## More Than Just A Cluster Management And AI Development Tool

Chaintech AI Platform as a easy-to-use, all-in-one interface, simplifies workflows of AI cluster management and AI model development, and Improves the performance of resources scheduling, data processing, model training and deploying. Save time and energy for developers and administrators for more important business core missions.

Integrated development and management tools：Labeling tools（Auto-Labeling）、Shell、Jupyter、TensorBoard、VNC、Centralized and Decentralized data management tools、Kubernetes、Docker、Software and Hardware Monitoring tools…

# 2020's achievement and 2021' Plan

- 2020, Chaintech AI Platform achieved significant improvement in hardware supports, management systems and development tools.

  - **Hardware supports** : Improve the performance of multi-GPU and multi-server computing, support multi-task with one graphic card, support AMD graphic card for AI training, support more centralized and decentralized file systems…

  - **Management systems** : Improve user data security, multiple management visualization and auto-training…

  - **Development tools** : Improve ML and HPC compatibility, data labeling and auto labeling, applications of model management and deployment…

- 2021, develop AI development and management total solution, AI industrial applications and AI cloud services.

  - AI development and management total solution : combine selected AI server and AI platform to perform highest AI development efficiency.

  - Industrial applications : research and develop industrial solution。

  - AI cloud services : provide GPU computing and AI development-related cloud services.

# Product Information

# iGame GeForce RTX 3090 Advanced OC

| Chipset | GPU | GeForce RTX 3090 |
|---|---|---|
| | Manufacturing Process | 8nm |
| | CUDA cores | 10496 |
| Core Clocks | Base Clock/Boost Clock | 1395/1695 |
| | (Turbo Model) Base/Boost Clock | 1395/1755 |
| | Buswidth | 384Bit |
| Memory Specs | Memory Clock | 19.5Gbps |
| | Memory Config | 24GB |
| | Memory Interface | GDDR6x |
| | Memory Bandwidth | 936GB/s |
| Display and Connectors | Video Output | 3*DP+1*HDMI |
| | Maximum Digital Resolution* | 7680x4320 |
| | PCI Express | 4.0 |
| | NVIDIA NVLink | YES |
| Thermal and Power Specs | Maximum GPU Temperature | 93℃ |
| | Graphics Card Power (Default/Max) | 350W/370W |
| | Power Phase | 10+6+4 |
| | Power connector | 3*8PIN |
| Cooling | Type | 2*90mm+1*80mm Fan |
| | Intelligent start-stop fans | YES |
| | Heatpipe size & Q'ty | 5-φ8 |
| 3D API | DirectX | DirectX 12 Ultimate |
| | OpenGL | OpenGL4.6 |
| Others | Supported NV Technologies | NVIDIA DLSS, NVIDIA G-SYNC, 2nd Gen Ray Tracing Cores |
| | Form Factor | Triple Slot |
| | Dimensions | 315.5*131*60mm |

# iGame GeForce RTX 3080 Advanced OC 10G

| Category | Specification | Value |
|---|---|---|
| Chipset | GPU | GeForce RTX 3080 |
| | Manufacturing Process | 8nm |
| | CUDA cores | 8704 |
| Core Clocks | Base Clock/Boost Clock | 1440/1710 |
| | (Turbo Model) Base/Boost Clock | 1440/1785 |
| | Buswidth | 320Bit |
| Memory Specs | Memory Clock | 19Gbps |
| | Memory Config | 10GB |
| | Memory Interface | GDDR6x |
| | Memory Bandwidth | 760GB/s |
| Display and Connectors | Video Output | 3*DP+1*HDMI |
| | Maximum Digital Resolution* | 7680x4320 |
| | PCI Express | 4.0 |
| | NVIDIA NVLink | NO |
| Thermal and Power Specs | Maximum GPU Temperature | 93℃ |
| | Graphics Card Power (Default/Max) | 370W/400W |
| | Power Phase | 10+6+4 |
| | Power connector | 3*8PIN |
| Cooling | Type | 2*90mm+1*80mm Fan |
| | Intelligent start-stop fans | YES |
| | Heatpipe size & Q'ty | 5*φ8 |
| 3D API | DirectX | DirectX 12 Ultimate |
| | OpenGL | OpenGL4.6 |
| Others | Supported NV Technologies | NVIDIA DLSS, NVIDIA G-SYNC, 2nd Gen Ray Tracing Cores |
| | Form Factor | Triple Slot |
| | Dimensions | 315.5*131*60mm |

| Chipset | GPU | GeForce RTX 3070 |
|---|---|---|
| | Manufacturing Process | 8nm |
| | CUDA cores | 5888 |
| Core Clocks | Base Clock/Boost Clock | 1500/1725 |
| | Buswidth | 256Bit |
| Memory Specs | Memory Clock | 14Gbps |
| | Memory Config | 8GB |
| | Memory Interface | GDDR6 |
| | Memory Bandwidth | 448GB/s |
| Display and Connectors | Video Output | 3*DP+1*HDMI |
| | Maximum Digital Resolution* | 7680x4320 |
| | PCI Express | 4.0 |
| | NVIDIA NVLink | NO |
| Thermal and Power Specs | Maximum GPU Temperature | 93℃ |
| | Graphics Card Power ( Default/Max ) | 220W |
| | Power Phase | 9+2 |
| | Power connector | 2*8PIN |
| Cooling | Type | 2*90mm+1*80mm Fan |
| | Intelligent start-stop fans | YES |
| | Heatpipe size & Q'ty | 3-φ8+2-φ6 |
| 3D API | DirectX | DirectX 12 Ultimate |
| | OpenGL | OpenGL4.6 |
| Others | Supported NV Technologies | NVIDIA DLSS, NVIDIA G-SYNC, 2nd Gen Ray Tracing Cores |
| | Form Factor | Over Dual Slot |
| | Dimensions | 310*131*57mm |

# SITONHOLY Hardware products

**CHAINTECH**

## DGX

NVIDIA DGX: NVIDIA original product, 4GPU water-cooled workstation and AI server, high-end preferred

## Data Center

Server: 1u-4u, 1GPU to 10GPU, the best choice for data center

IW1200-2G/
IW1210-2G
**1U2GPU**

IW2201-2G/
IW2211-2G
**2U2GPU**

IW4203-4G/
IW4213-4G
**4U4GPU**

Large scale parallel training

IW4200-8G/ IW4210-8G
IW4200-10G/ IW4210-10G
**4U8/10GPU**

Cloud Inference

IW4210-20G
**4U20GPU**

## Workstation

Workstation: 1 card - 4 card; air cooling or water cooling, only for quieter

PC Customizable

IWT210-4Gi(water-cooled）/IWT210-4G

## Edge computing

Single or multiple GPU cards, edge reasoning, video processing, edge AI full coverage

IEB100-1G

IE2210-2G

IE2300-3G

IE2600-6G

## Storage server

Entry level storage, high performance storage, distributed storage

2U12hard disk bit
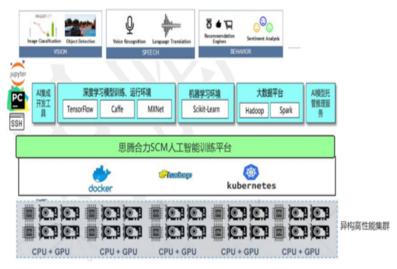
4U24/36hard disk bit

6U48hard disk bit

6U60hard disk bit

8U72hard disk bit

# SITONHOLY Software product

## 1、SITONHOLY SCM artificial intelligence training platform v2.0

➢ Unified management of GPU resources to improve the utilization rate of GPU resources
➢ Data parallel training with multiple GPUs
➢ Based on tensorflow, mxnet, Python and other mainstream deep learning frameworks, through the combination of self-study services and docker container technology, it helps users to host deep learning training jobs and cluster management

SCM for large-scale heterogeneous computing infrastructure management, can realize the automation of deep learning computing resource management, scheduling and application, can be widely used in education, scientific research, remote sensing, medical, energy, government and other industries, can greatly improve the efficiency of computing infrastructure resource utilization, reduce the total cost of ownership of the data center, and improve the efficiency of artificial intelligence R & D innovation.

## 2、SITONHOLY SMP heterogeneous resource monitoring platform v2.0

Monitoring introduction:
1、CPU consumption (including proportion)
2、System memory consumption (including proportion), surplus
3、System hard disk consumption (including proportion), surplus
4、System network card status, such as instant upload / download speed
5、The system GPU usage and remaining quantity
6、Status of each GPU of the system

## 3、SITONHOLY Storage management software

Distributed cluster storage management software, high-performance storage management software, general storage management software

THANK YOU