



AI Training

Model	AITAS-TA700	AVS-710
Processor	AMD Ryzen Threadripper PRO 5955 WX 16 Core	13th/14th Gen. Intel Core i9/i7/i5 Processor up to 65W
Memory	Max Memory (1DPC): Up to 2TB 3200MT/s ECC DDR4 RDIMM/LRDIMM	4 x DDR5 U-DIMM Slot support, up to 192GB
GPU Card support	Up to 1 quad-width or 2 triple-width or 4 double-width or 4 single-width GPUs	Up to 1 quad-width or 2 triple-width or 4 double-width
I/O	7 x USB (rear) 2 x USB (Front) 2 x RJ45 LAN port (1 GbE/10 GbE) 1 x VGA port 1 x COM port	3 x 2.5Gb Gigabit LAN LAN1: Intel I226LM with 10/100/1000/2500 Mbps, support PoE LAN2: Intel I226LM with 10/100/1000/2500 Mbps LAN3: Intel I226LM with 10/100/1000/2500 Mbps
Power	Full loading: Support up to 1200 Watts (110V) Full loading: Support up to 2000 Watts (220V)	Default: 850W PSU (100V~240V AC-IN)
Dimension (WxHxL)	178 x 460 x 673 mm	450 x 427 x 177 mm



Edge AI

Model	AITAS-EN302	AITAS-EN303
Module Compatibility	NVIDIA Jetson Orin NX 8GB	NVIDIA Jetson Orin NX 16GB
AI Performance	70 TOPS	100 TOPS
GPU	1024 Core NVIDIA Ampere, with 32 Tensor Cores	
CPU	8-core Cortex-A78AE v8.2 64-bit 2MB L2+4MB L3	
Memory	8GB 128-bit LPDDR5 102.4 GB/s	16GB 128-bit LPDDR5 102.4 GB/s
Storage	1 x M.2 3052 B-Key for M.2 2242 B+M-Key SSD (Default Storage) 1 x M.2 2230 E-Key (Optional)	1 x M.2 2280 M-Key
PoE Interface	-	4 x RJ-45 GbE PSE (IEEE 802.3af compliant, Max.60W)
LAN	1 x RJ-45 GbE Port	
Power Input/Connector	DC 12~24V 2-pin Terminal Block	
Dimensions (WxHxL)	105 x 48 x 90 mm	180 x 63 x 136 mm



Edge AI

Model	ACS-330	AVS-553
CPU	Intel Processor N97	13th/14th Gen. Intel Core i3/i5/i7/i9
System Memory	1 x DDR5(4800MHz) SO-DIMM, supporting 8GB up to 32GB	4 x DDR5 4000MT/s or 2 x DDR5 4400MT/s Non-ECC UDIMM, up to 128GB
I/O	4 x USB 2 x RS-232/422/485 1 x DP 1.4 1 x HDMI 2 x 2500 BASE-T Ethernet ports (RJ-45) 1 x 8-bit GPIO	8 x USB 3.2 Gen.2 Type-A 6 x RS-232(default)/422/485 1 x DP 1.4a 1 x HDMI 2.1 4 x 2.5GbE LAN RJ-45
Power Input	DC 9~36V	2 x CRPS 550W (Total support 1100W) AC 90V~264V
Dimensions	200 x 55 x 140 mm	234 x 166 x 368.3 mm

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AI Technology Solutions



AI IPC

- AITAS-TA700
- AVS-710
- AITAS-EN303
- AITAS-EN302
- AVS-553
- ACS-330
- ACS-2550

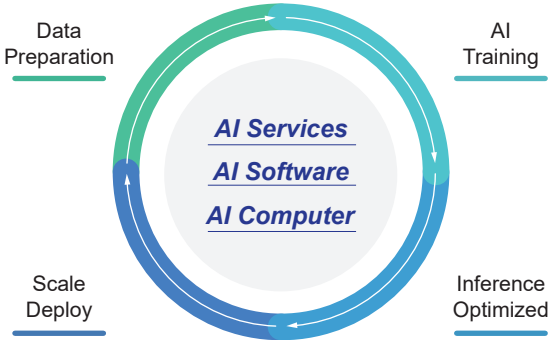


APLEX AI Platform

Turn your enterprise into a leading AI-driven organization with APLEX AI, the most sophisticated platform globally, offering comprehensive innovations across accelerated infrastructure, enterprise-grade software, and advanced AI models.

By optimizing the entire AI workflow, APLEX AI ensures projects advance to production more swiftly and accurately, enhancing efficiency and infrastructure performance while reducing overall costs.

This revision aims to streamline the message and enhance clarity by using more direct language and emphasizing the benefits more succinctly.



APLEX AI Hardware Solutions

AVS-553
AI / VLM System
Box IPC-Wallmounted

AVS-710
AI / VLM System
4U-Rackmounted

AITAS-TA700
LLMs AI Server
4U-Workmounted

AITAS-EN302

AITAS-EN303

ACS-330

ACS-2550

SIER-S0082N-M12A

SIER-S0802N

SIER-G1201P

SIER-G6201M

SIER-G4201M

SIER-G2201M

SIER-G1101M

Super Edge / AI Training Center

Image

Data

Edge AI System

Industrial Ethernet Switch

PLC Gateway

Modbus Gateway

Protocol Conversion & Connection

APLEX AI Software Sloutions

NumOps

AI Data Processing Platform

Expert System: A tool that mimics human knowledge reasoning and decision-making processes based on behavior, without requiring data.

When the prediction target is a 'category', classification is used to solve the problem. For example, predicting whether the weather tomorrow will be sunny, cloudy, or rainy.

When the prediction target is a 'continuous value', regression is used to solve the problem. For example, predicting the temperature for tomorrow.

AIWin
Be your iPartner

AIWinOps

AI Image Processing Platform

Everyone can become an AI expert. Simply log in to the webpage to import the AI model creation process.

One-click automatic model deployment, instant testing of training results.

Significantly reduce the time and manpower required to implement AI.

APLEX AI Implementation



AI Vision Application

IC Tray Defect Inspection

Using AI technology, the appearance of IC trays can be efficiently and accurately inspected.

Results Images

Mental Defect Inspection

Applying AI technology for metal defect inspection, we are committed to establishing a defect database focused on appearance flaws to improve detection accuracy and speed.

Results Images

Power Choke Defect Inspection

Chokes play an important role in the electronics manufacturing industry, used to control current and protect circuits

Results Images

Loop Fasteners Defect Inspection

Using linear scanning technology to monitor the production condition of Velcro is an effective quality control method.

Results Images

AI Data Application | Smart Water Management

