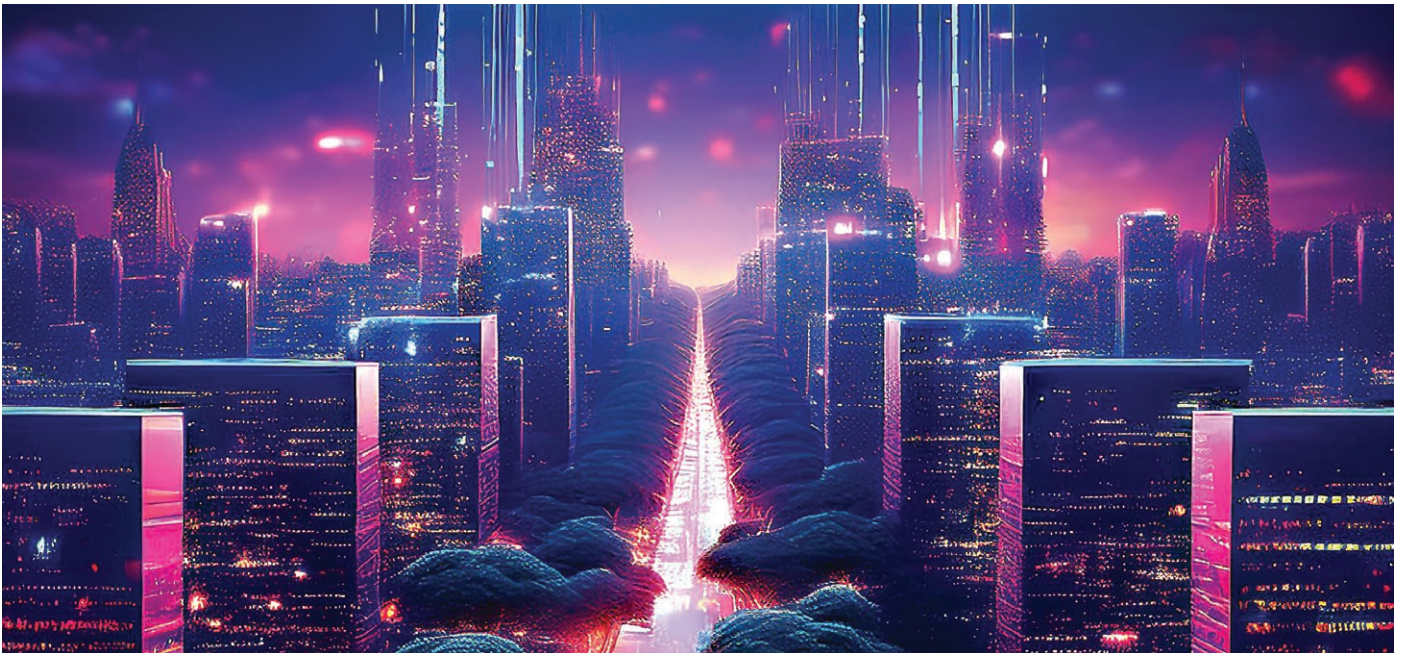


PNY®

Elevate the Future of Smart Cities and Smart Spaces.





“

PNY Technologies has consistently been at the forefront of AI innovation, forging enduring partnerships, particularly with our longstanding collaborator, NVIDIA. In the current landscape of Smart Cities challenges, it is imperative for us to pave the way forward by fostering strategic technological alliances.



Jérôme BÉLAN
PNY Technologies EMEA CEO

PNY Technologies provides leading AI solutions, spanning from Edge Computing to Data Center platforms. Empowering organizations to seamlessly adopt AI and paving the way for a transformative era. Smart Cities challenges are numerous from enhancing urban mobility, reducing CO2 emissions to redefining city security and implementing smart waste management. PNY is a world-leading aggregator of edge AI solutions for Smart Cities & Smart Spaces. We offer end-to-end platforms that integrates various hardware and software components, streamlining the deployment and management of artificial intelligence at the edge.

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EDGE AI SOLUTIONS

PNY Technologies provides leading-edge AI solutions, spanning from Edge Computing to Data Center platforms. Empowering organizations to seamlessly adopt AI, we pave the way for a transformative era in smart cities and intelligent spaces.

Managing and Optimizing a Modern City with AI

PNY®

A.I. Tech
The Vision of the future. Now.

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AI-Smart-City, an A.I. Tech's video analytics application, provides the functionalities to manage a modern city, through the analysis of vehicles and people with advanced deep learning algorithms.

Key Customers

- System integrators
- Municipalities Public
- Administrations
- City managers

Business Challenge



Traffic and people management



Road security



People and environment safety

SOLUTION

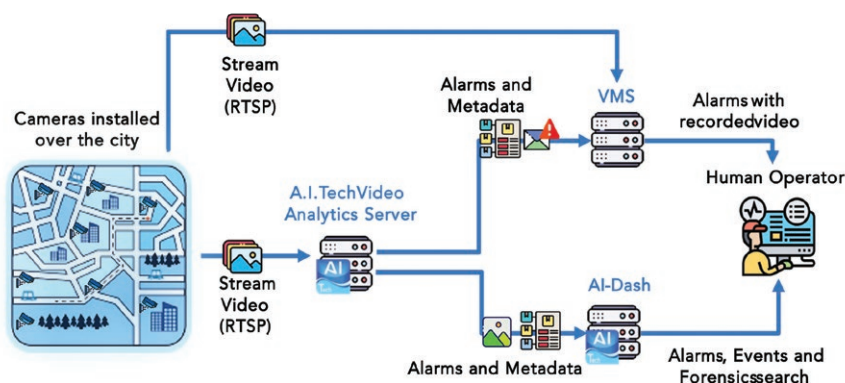
AI-Smart-City includes the functionality of different applications designed to meet the needs of cities in monitoring and managing vehicles and pedestrians. The solution provides functionalities to analyze vehicular flows and to estimate the average speed of vehicles. The solution also allows you to detect potentially dangerous situations on the road, for vehicles and pedestrians. AI-Smart-City provides also advanced people analysis features in both indoor and outdoor environments.

SOLUTION FEATURES

Benefits

- Crowd estimation and people counting
- Behavior analytics
- Vehicle classification and counting
- License plate recognition
- Smart parking management
- Speed Estimation
- Violation detection
- Autonomous Incident detection
- Intrusion detection
- Smoke and fire detection
- High efficiency and accuracy
- Simplicity of Integration

Application Features



Creating Safer Smart Cities with AI-Driven Video Analytics



Ensuring safety and security for public and private facilities in cities is crucial as it establishes a foundation for optimized city operations and services. By prioritizing public safety, supporting law enforcement, maintaining smooth transportation networks, and safeguarding property these measures contribute to creating a safer and more livable environment.

Key Customers

- City
- Town Councils
- Park safety
- Airport
- City governments and municipalities
- Warehouse or other private customers

Business Challenge



Enhanced safety measures



Increased public & private safety



Safer and smoother transport



Property protection in urban living



Improved Commuting Experience



Operation analytics

SOLUTION

A.I. Tech offers innovative AI-driven solutions focused on safety and security for both private and public spaces, utilizing advanced video surveillance technology. Their AI Smart Surveillance platform stands out for its comprehensive capabilities, employing deep learning to enhance security measures across various environments..

SOLUTION FEATURES

Situation awareness on crowds and flow rates

- People counting
- Traffic flow analysis
- Capacity monitoring
- Queue management
- Heat-maps
- Increased incident response time

AI analytics with real-time alerts

- Smoke & fire
- Loitering
- Slips, trips & falls
- PPE

Smart transport management

- Vehicle incident detection
- Loitering
- Retrograde driving
- Traffic monitoring
- Flow analysis
- Traffic jam alerts
- Illegal parking
- ANPR

Easy & flexible deployment

- Plug & play, easy installation
- Supports both edge and cloud deployment
- Real-time event alerts
- Google map view
- 24/7 event alerts, supporting email & SMS notifications
- Event report

Personalizing and Regulating City Lights Autonomously

PNY®

AI Tech
The Vision of the future. Now.



AI Tech smart lightning solution enables an effective response to green energy needs, thanks to the possibility of automatically personalizing and regulating the light intensity of streetlamps.

Key Customers

- Cities
- System integrators
- Municipalities
- Energy managers

Business Challenge


Regulate lightning Autonomously


Improve the management of public illumination


Reduce pollution


Reduce energy consumption

SOLUTION

AI Tech smart lightning solution personalizes and regulates automatically the light intensity of streetlamps. Making the pole smarter by a Fully Adaptive Installation, able to automatically adapt the light intensity in real-time according to traffic conditions, the presence of people and weather conditions. Furthermore, the solution provides weather, traffic and crowd analytics.

SOLUTION FEATURES

Benefits

- Autonomous light regulation
- Energy saving Increased road safety
- Weather, environment brightness, traffic and pedestrian's flow analysis
- Road surface assessment
- Traffic and pedestrians' management
- Speed Estimation
- Congestion analysis
- Autonomous Incident detection
- Crowd estimation
- High efficiency and accuracy
- Simplicity of Integration

Use case overview



Smart Bus Stops Connecting Mobility and Intelligence

PNY

BUSPAS



EDGE AI SOLUTIONS

BusPas makes access to data, tools, and programs affordable for municipalities by using shared urban furniture, AI powered Edge computing, and a collaborative digital infrastructure. BusPas offers smart bus stop solutions that optimizes passenger information, traffic management, and targeted advertising.

Key Customers

- Municipalities & City Planners
- Urban Mobility & Transportation Agencies
- Public & Private Transit Operators
- Outdoor Advertising Agencies

Business Challenge



Transit optimization



Reaching sustainability targets



Citizens and passenger safety



Improving the citizen experience



Tracking traffic violations



Outdoor advertising personalisation

SOLUTION

BusPas provides a comprehensive smart bus stop solution aimed at enhancing urban mobility, improving passenger experience, and optimizing city infrastructure. By integrating real-time data, AI analytics, and personalized advertising, the system transforms traditional bus stops into smart, connected hubs. The platform offers services such as real-time arrival information, dynamic passenger counting, security monitoring, traffic violations detection, and traffic analytics. This enables cities to improve public transport efficiency, reduce traffic congestion, and offer data-driven advertising opportunities.

SOLUTION FEATURES

Real-Time Passenger Information and Monitoring

- Real-Time Bus Arrival Displays.
- Occupancy Monitoring
- Passenger Counting at Stops
- Individual Wait Time Tracking
- Boarding and Alighting Counts

Safety, Accessibility, and Demand Prediction

- Nighttime Safety Lighting
- Disability Interaction Features
- AI Demand Prediction
- Traffic Signal Monitoring Requests
- Traffic Violations Tracking

Data-driven Outdoor Advertising

- Maximizing Engagement and Relevance
- Data-driven Advertising
- Real-time Adaptation of Campaigns
- Targeted Content Delivery
- GDPR Compliant

Empowering Your Business with Intelligent Automation and Innovation



Generative AI, powered by Large Language Models (LLMs), refers to AI systems that can understand and generate human-like text, images, and other forms of content. These technologies enable businesses to automate complex tasks, enhance decision-making, and create innovative solutions at scale. LLMs and generative AI are revolutionizing how companies operate and interact with their customers.

Key Customers

- Banks and financial institutions
- Marketing and sales sectors
- Corporate operations
- Retail
- Consumer good corporation
- Higher education
- Telecommunications
- Media & entertainment

Business Challenge

- | | |
|---|--|
| 
Leverage the value of data | 
Upgrade realistic user experience |
| 
Elevate and automate customer service | 
Upgrade real-time processing and contextual relevance |
| 
Enhance and automate business processes | 
Maintain accuracy and consistency in automated responses |

SOLUTION

By leveraging LLMs, generative AI, and advanced avatars, organizations can achieve higher personalization, efficiency, and interaction. These technologies transform environments into intelligent, responsive spaces, enhancing user experience and maximizing data value for better ROI. Additionally, the RAG framework grounds LLMs with accurate, up-to-date enterprise knowledge.

SOLUTION FEATURES

Search

- Find documents, products, people, companies.
- Filter signals and alerts
- Market research

Chatbots

- Customer service, virtual assistants, chat, Q & A

- Customer service and support

Corporate GPT

- Private GPT, Robotic process automation, optical character recognition
- Fact extraction, reports
- Recruitment and HR automation

Legal documentation Generative AI

- Custom GPT
- Generative images, documents, multi-modal AI
- RAG Retrieval-Augmented Generation.

Speech

- Voice commands, subtitles, custom voice

- synthesis, accents and languages
- Voice-enabled shopping
- Voiceover and dubbing
- Voice-enabled VR control

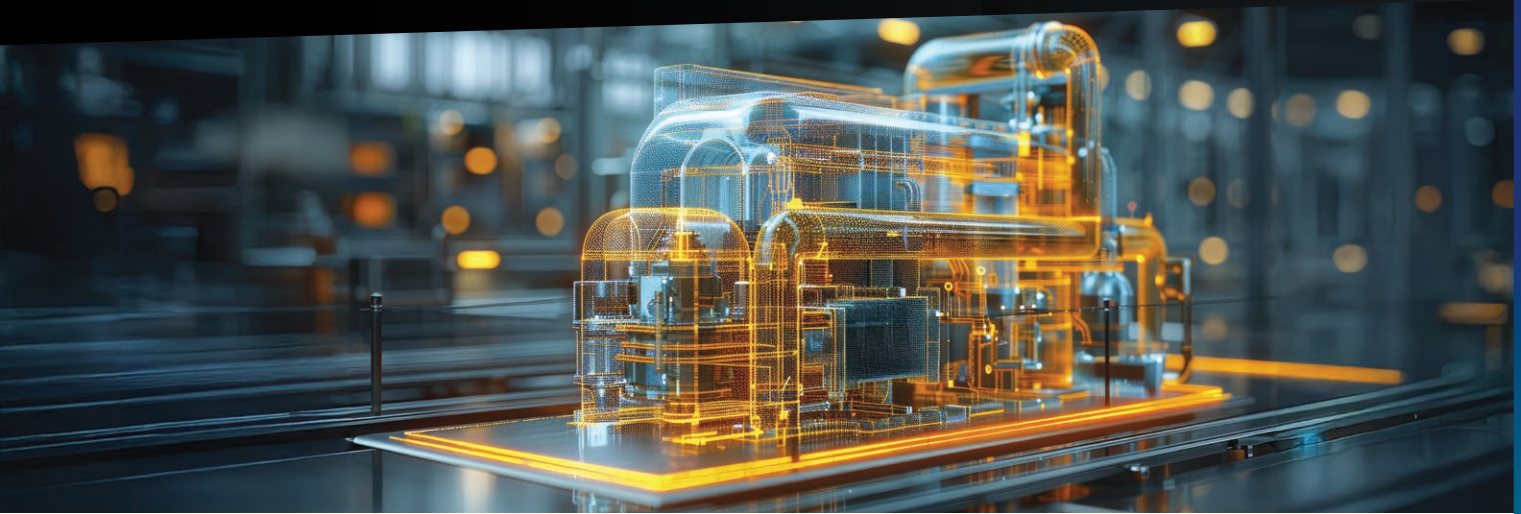
AI Experience

- Intelligent apps, websites, kiosks, 3D avatars
- Smart devices and robots
- Personalized gaming

Avatar

- Personalize customer experience
- Immersive interactions
- Real-time interaction and support
- Virtual tutors
- Virtual assistants and advisors

Unlocking Business Potential with Real-Time Insights and Smart Simulations



A Digital Twin is a virtual replica of a physical object, system, or process that uses real-time data to simulate and predict the performance, behavior, and potential issues in the real world. This technology allows businesses to monitor, analyze, and optimize their operations with unprecedented accuracy, driving efficiency, reducing costs, and enabling innovation.

Key Customers

- › Government Authorities
- › Industrial companies
- › Ministry of tourism
- › Large manufacturing factory
- › Large real estate developer
- › Automotive industry
- › Health care

Business Challenge



Enhance operation and product line



Lack of training personnel and environments



Avoid costly and unexpected downtime



Enhance transportation and manufacturing processes



Upgrade efficient warehouse management



Streamline processes

SOLUTION

Digital Twin allows for the optimization of resources, from energy consumption to space utilization, and supports proactive maintenance strategies that prevent costly downtime. Additionally, by simulating different scenarios, Digital Twin technology helps in designing more efficient processes and infrastructures. This results in better management of assets, improved user experiences, and overall cost savings, making Digital Twin an essential asset in the evolution of modern smart environments.

SOLUTION FEATURES

Optimizing Operations with Real-Time Insights

- Real-Time Monitoring
- Predictive Maintenance
- Process Optimization
- Anomaly Detection
- Enhanced Decision-Making

Streamlining Operations with Automation and Analysis

- Scenario Analysis
- Automated Reporting
- Quality Control
- Automated Alerts
- Training and Simulation

Analyzing Video for Safer Roads

PNY

PRYNTEC



In an era where data-driven insights are crucial, automatic number-plate recognition (ANPR) is ensuring that organizations can harness the full potential of their video data for improved analytics, security, and management.

Key Customers

- Police force and Law enforcement
- Highways
- Major cities
- Government
- Fixed ANPR
- Fixed, tactical, embedded ANPR

Business Challenge



Enhanced efficiency



Added value for security



Reliability



Real-time detection



Interoperability



Ensuring payment at the toll

SOLUTION

This solution aims to autonomously recognize license plates numbers for controlling low emission zones to monitor access of authorized cars, or for controlling access of highways' tolls to speed up and solve payment issues. This solution enables governments and police forces to enforce the law by recognizing in real-time reported license plates.

SOLUTION FEATURES

Fixed ANPR

- Up to 3 lanes controlled
- Context picture for proof, color or B/W
- Vehicle categorization with embedded AI
- Database management
- Whitelist and blacklist management
- Real-time analysis
- Interoperable system via SDKs and APIs
- Offline mode
- Wifi/4G/5G option
- Schengen plates

Tactical ANPR

- Up to 3 lanes controlled
- Context picture for proof, color or B/W
- Vehicle categorization with embedded AI
- Database management
- Whitelist and blacklist management
- Real-time analysis
- Wifi/4G/5G
- Interoperable system via SDKs and APIs
- Operating pad
- More than 24h autonomy
- Offline mode
- Schengen plates

Embedded ANPR

- Up to 5 lanes controlled
- Context picture for proof, color or B/W
- Vehicle categorization with embedded AI
- Database management
- Whitelist and blacklist management
- Real-time analysis
- Wifi/4G/5G
- Interoperable system via SDKs and APIs
- Operating pad
- Offline mode
- Schengen plates

Encouraging Carpooling for Greener Cities

PNY

PRYntec



The will to encourage carpooling has led to the emergence of High Occupancy Lanes reserved for carpoolers, as well as the technologies required to monitor HOV lanes. A modular car occupants counting solution provides a powerful monitoring tool to make sure HOV lanes are used by carpoolers only as well as enhancing security in the entry points of sensitive sites.

Key Customers

- Highways
- Major cities
- Public transport operator
- Sensitive sites
- Government transportation ministry
- Ministry of Home Affairs

Business Challenge



Reducing the number of cars



Encouraging a high occupancy rate



Reducing environment and traffic issues



Improving the level of control



Real-time analysis



Better checking

SOLUTION

Addressing environmental and traffic congestion challenges involves reducing the number of cars by promoting high occupancy rates in cars. Enhancing security measures for sensitive sites includes improving control over border checks and ensuring the alignment of scanned badges with the occupants in a vehicle for authorized entry. This integrated approach aims to create a more sustainable and secure urban environment by optimizing transportation resources and fortifying entry points.

SOLUTION FEATURES

Advanced analytics

- Classification with governmental vehicles database
- Whitelist and blacklist management
- Fleet management
- Interoperable system via SDKs and APIs

Detecting

- Front & Rear ANPR
- Vehicle categorization
- Front & Rear occupant counting

Platform

- Real-time analysis
- Ergonomic user interface

Easy & flexible deployment

- Widely deployed and used
- Solution evaluated by the French government agency CEREMA
- Ownership of the end-to-end solution
- Customizable Solution

HARDWARE

PNY offers end-to-end platforms that integrates various hardware and software components, streamlining the deployment and management of artificial intelligence at the edge.

Certified Cybersecure Hardware and Integrated Software for Demanding Environments



Eurotech is a multinational company that designs, develops and supplies Edge Computers and Internet of Things (IoT) solutions complete with services, software and hardware to system integrators and enterprises. By adopting Eurotech solutions, customers have access to IoT building blocks and software platforms, to Edge Gateway to enable asset monitoring and to High Performance Edge Computers (HPEC) created also for Artificial Intelligence (AI) applications.

Qualified & Certified



qualified
device
Internet of things



RELIACOR 31-11:

Fanless Embedded Edge AI NVIDIA Jetson Orin™ NX



Industrial &
automation



Operating
temperature:
-20°C to 55°C



Europe,
North America,
Japan



Wi-fi/bluetooth/
GNSS/LTE cat 4
global/5G-ready



Zero touch
provisioning, no-
code asset-to-cloud
configuration and
full device lifecycle
management



NVIDIA® Jetson
Orin™ NX
up to 100 TOPS

The **ReliaCOR 31-11** is a compact fanless and ventless embedded Edge AI system based on NVIDIA® Jetson Orin™ NX platform, developing up to 100 TOPS of AI performance. The ReliaCOR 31-11 has been designed to Industrial AI applications such as Artificial/ Machine vision, Smart NVR (Network Video Recorder) and Multi W people counters, Crowd Analytics and Scene Detection.



RELIACOR 33-11:

Empowering Demanding AI Applications Across Key Sectors



Industrial & automation, transportation & off-road, e-mark certified



Operating temperature: -20°C to 60°C



Wi-fi/bluetooth/GNSS/LTE cat 4 global/5G-ready



ANSI/ISA 62443-4-1/-4-2 SL2, TPM 2.0, antitampering



Zero touch provisioning, no-code asset-to-cloud configuration and full device lifecycle management



NVIDIA® Jetson AGX Orin™ up to 275 TOPS



The **ReliaCOR 33-11** is a fanless embedded Edge AI system based on NVIDIA® Jetson AGX Orin™ that has been designed for demanding AI applications in areas such as automotive vehicles, security and surveillance, robotics, industrial automation, and smart cities.

RELIACOR 44-11:

Versatile AI Server for Industrial Applications 1 GPU, 2-bay Removable Storage, 2x 10GbE



Industrial & automation



Operating temperature: 0°C to 50°C



EU/UK, North America, Japan



Wi-fi/bluetooth/GNSS/LTE



IEC 62443-4-1/-4-2 SL2 ANSI/ISA 62443-4-1/-4-2 SL2 TPM 2.0 support

The **ReliaCOR 44-11** is a versatile platform that offers a very balanced combination of computational performance, storage capacity and network bandwidth for workloads that include data acquisition and fusion, AI inference and data logging.



Certified Cybersecure Hardware and Integrated Software for Demanding Environments

RELIACOR 54-13:

Versatile AI Server for Industrial Applications 1 GPU, Removable Storage, Expandable



Industrial & automation



Operating temperature: 25° to 70°c



TPM 2.0 ISA/IEC 62443-4-1/-4-2 SL2



Europe, North America, Japan



Zero touch provisioning, no-code asset-to-cloud configuration and full device lifecycle management



1x NVIDIA RTX™ 2000 Ada
1x NVIDIA RTX™ 4000 Ada SFF
1x NVIDIA L4



The **ReliaCOR 54-13** is a versatile platform that offers a very balanced combination of computational performance, storage capacity and network bandwidth for workloads that include data acquisition and fusion, AI inference and data logging.

MAYFLOWER®-LLM18-SP3:

19" GenAI server for AI inference and model fine-tuning with up to 3x NVIDIA RTX™ 6000 Ada GPUs



High-performance with AMD® EPYC™ CPU



Including 2x NVIDIA RTX™ 6000 powerful GPUs (3x on request)



2x 100GB LAN (QSFP28) NVIDIA ConnectX®-6 DX



Robust full-industrial components for 24/7 operation



Free copilot (open-source chatbot)



GenAI ready

The **Mayflower®-LLM18-SP3** is a 19" GenAI server specifically designed for AI inference and model fine-tuning. The server is equipped with an AMD® EPYC™ CPU and supports up to three NVIDIA RTX™ 6000 Ada GPUs, each with 48 GB of GDDR6 and 18176 CUDA Cores. The server offers impressive AI performance with up to 1457 TFLOPs.



MAYFLOWER®-LLMW33-SP3:

19" liquid-cooled GenAI server for AI inference, model fine-tuning & training with NVIDIA H100 NVL GPU



High-performance with AMD® EPYC™ CPU



Including NVIDIA H100 NVL powerful GPU (2x on request)



Liquid cooling for CPU and GPU



2x 100GB LAN (QSFP28) NVIDIA ConnectX®-6 DX



Robust full-industrial components for 24/7 operation



Free copilot (open-source chatbot)



GenAI ready

The **Mayflower®-LLMW33-SP3** is a powerful 19" liquid-cooled GenAI server, specially designed for AI inference, model fine-tuning and training. At the heart of the system is the NVIDIA H100 NVL GPU, which offer 188 GB HBM3 memory and 33792 CUDA cores. This GPU ensures outstanding AI performance and offers up to 7916 TFLOPs. If requested, the system can also be configured with two NVIDIA H100 NVL GPUs to further increase performance.



EDGE SOFTWARE:

Modular IoT Edge Platform



Simple



Secure



Agnostic



Everyware Software Framework

POC IN MINUTES,
PRODUCTION READY IN WEEKS

- » Secure device connectivity and data communication
- » Remotely manage large IoT deployments
- » Integrate data and applications



Everyware Cloud

SECURELY MONITOR, UPDATE,
AND CONTROL THE EDGE AT SCALE

- » Develop and deploy IoT edge computing applications
- » Easily connect to industrial devices and IoT cloud services
- » Visually compose data flows to manage, analyze and route data

Empowering the Development of Smarter Working and Living



Advantech is a global leader in innovative technology solutions, offering system integration, hardware, software, embedded systems, and automation products. Committed to enabling an intelligent planet, Advantech's cutting-edge solutions drive efficiency, connectivity, and innovation across industries

MIC-711-ON:

AI Inference System Based on NVIDIA® Jetson Orin™ Nano



Embedded with NVIDIA® Jetson Orin™ Nano up to 40 TOPS



Fanless and ultra-compact design



Supports 1x GbE, 2x USB 3.2 Gen 1 (5Gbit/s)



Supports 1x mPCIe, 1x M.2 3052, 1x M.2 2280



Supports Allxon 24/7 remote monitoring and OTA deployment

The **MIC-711-ON** is a fanless, ultra-compact edge AI system designed for inference applications requiring efficiency and reliability. Powered by NVIDIA® Jetson Orin™ Nano, it delivers up to 40 TOPS of AI performance, making it ideal for real-time video analytics, industrial automation, and smart city deployments. Its extensive connectivity options and remote management capabilities via Allxon ensure seamless operation and simplified maintenance.



MIC-717-OX:

AI NVR Solution with NVIDIA® Metropolis Microservices on Jetson Orin™



Embedded NVIDIA® Jetson Orin™ NX capable of up to 100 TOPS



Compact fan design



Support 1x 3.5" SATA HDD, or 1x 2.5" SSD



Integrated with NVIDIA Metropolis Microservices on Jetson



Supports Allxon 24/7 remote monitoring and OTA deployment

Built for AI-driven video surveillance and intelligent edge computing, the **MIC-717-OX** integrates NVIDIA® Jetson Orin™ NX with up to 100 TOPS of AI performance. It supports NVIDIA Metropolis Microservices, enhancing video analytics and deep learning-based security applications. With flexible storage options and remote monitoring via Allxon, it provides a scalable and efficient AI NVR solution for industrial and smart city environments.



RoHS CE UK

MIC-713-OX:

AI System Based on NVIDIA® Jetson Orin™ NX



Embedded NVIDIA® Jetson Orin™ NX up to 100 TOPS



Compact fanless design



Supports 2x GbE, 6x USB 3.2 Gen 2



Supports 1x mPCIe, 1x M.2 3052, 1x M.2 2280



Supports Allxon 24/7 remote monitoring and OTA deployment



FC CE UK

The **MIC-713-OX** is a high-performance, fanless AI system leveraging NVIDIA® Jetson Orin™ NX to deliver up to 100 TOPS of AI computing power. Designed for edge AI applications, it supports multiple high-speed connections, ensuring optimal data throughput for robotics, automation, and AI vision systems. With remote monitoring and OTA updates, it offers a robust, low-maintenance solution for industrial and smart infrastructure applications.

MIC-733-AO:

AI System Based on NVIDIA® Jetson AGX Orin™



Embedded with NVIDIA® Jetson AGX Orin™ up to 275 TOPS



Compact fanless design



Supports 4x GbE (optional PoE), 4x USB 3.2 Gen 2 (10 Gbit/s)



Supports 2x mPCIe, 2x Nano SIM slots



Supports Allxon 24/7 remote monitoring and OTA deployment; Azure Certified Devices

Optimized for advanced AI workloads, the **MIC-733-AO** features NVIDIA® Jetson AGX Orin™, providing up to 275 TOPS of AI performance for edge computing applications. Its rich connectivity, including optional PoE for IP cameras and multiple expansion slots, makes it ideal for AI-based video analytics, autonomous systems, and industrial automation. With Allxon remote management and Azure certification, it ensures seamless deployment and scalability in AI-driven environments.



FC CE UK Azure Certified Device

Revolutionize your Industry



Unleash the power of Edge AI innovation with Seeed Studio's hardware of the Jetson Platform. Discover solutions that are revolutionizing industries like Retail, Agriculture, Transportation, and more. See how companies made a positive impact with AI at the Edge.

RECOMPUTER INDUSTRIAL SERIES:

Powerful and Compact Intelligent Edge Box with Passive Heatsink Design



Fanless compact PC:

Thermal reference design, wider temperature support -20 ~ 60°C with 0.7m/s airflow



Designed for industrial interfaces:

2x RJ-45 GbE; 1x RS-232/RS-422/RS-485; 4x DI/DO; 1x CAN; 3x USB 3.2; 1x TPM 2.0 (Module optional)



Hybrid connectivity:

Support 5G/4G/LTE/LoRaWAN®/GPS (Module optional) with 1x Nano SIM card slot



Flexible mounting:

Desk, DIN rail, wall-mounting, VESA

The **reComputer Industrial series** combines the NVIDIA Ampere™ GPU architecture and 64-bit operating capability to provide 20-100 TOPs modern AI performance at the edge based on different module choice, delivering up to 5x the performance of Jetson Xavier™ NX and up to 3x the performance of Jetson AGX Xavier. It is specifically designed with industry interfaces such as RJ-45 GbE, RS-232/RS-422/RS-485, DI/DO, CAN, USB 3.2, and TPM 2.0 (module optional). The system is suitable for edge AI solutions in various industries, including smart cities, security, industrial automation, smart factories, and medical imaging.



reComputer Industrial J4012

RECOMPUTER INDUSTRIAL SERIES

Model	reComputer Industrial J4012	reComputer Industrial J4011	reComputer Industrial J3011	reComputer Industrial J3010	reComputer Industrial J2012	reComputer Industrial J2011
NVIDIA Jetson Module	Orin NX 16GB	Orin NX 8GB	Orin Nano 8GB	Orin Nano 4GB	Xavier™ NX 16GB	Xavier™ NX 8GB
Certifications						

RECOMPUTER SERIES:

All-in-one Starter Kit for Jetson Developers



Brilliant AI Performance for production:

on-device processing with up to 40 TOPS AI performance with low power and low latency



Hand-size edge AI device:

compact size at 130x120x58,5mm, includes NVIDIA Jetson Orin Nano 8GB production module, a heatsink, enclosure, and a power adapter. Support desktop, wall mount, fit in anywhere



Expandable with rich I/Os:

4x USB3.2, HDMI 2.1, 2x CSI, 1x RJ45 for GbE, M.2 Key E, M.2 Key M, CAN and GPIO



Accelerate solution to market:

pre-installed JetPack with NVIDIA JetPack™ on the included 128GB NVMe SSD, Linux OS BSP, 128GB SSD, WiFi BT combo module, Antennas x2, support Jetson software and leading AI frameworks and software platform



reComputer J4011

The **reComputer series** are the hand-size edge AI boxes built with NVIDIA® Jetson Orin™ Nano module or with NVIDIA® Jetson Orin™ NX module, which delivers AI performance to the edge with low power and low latency, offering AI leap. It sets the new standard for edge AI solution providers working in video analytics, computer vision, natural language processing, and robotics across industries of smart cities, security, industrial automation, and smart factories.

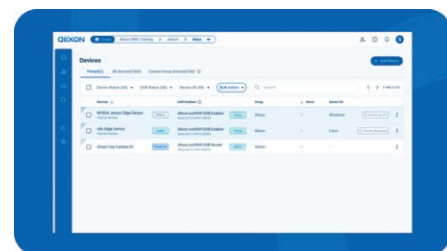
RECOMPUTER SERIES

Model	reComputer J1010	reComputer J1020	reComputer J2021	reComputer J2022	reComputer J3010	reComputer J3011	reComputer J4011	reComputer J4012
NVIDIA Jetson Module	Jetson Nano™ 4GB	Jetson Nano™ 4GB	Jetson Xavier™ NX 8 GB	Jetson Xavier™ NX 16GB	Jetson Orin Nano 4GB	Jetson Orin Nano 8GB	Jetson Orin™ NX 8GB	Jetson Orin™ NX 16GB
Certifications	FCC CE RoHS UKCA							

ALLXON SOLUTIONS:

Software Device Management Platform

Allxon Portal offers complete remote monitoring and management (RMM) solutions and advanced Out-Of-Band (OOB) disaster recovery solutions to ensure your edge devices are supported throughout their project lifecycle, from start to finish.



In-band – Allxon RMM

- OTA update
- Fleet provisioning
- GPU performance
- Software watchdog
- Plugin Station
- Send Command

Out-of-Band – Allxon swiftDR

- OCO cloud serial console
- SSD backup & Recovery
- OOB NC-SI
- Device always-ON
- Tamper detection
- Force shutdown and reboot

Accelerate AI at the edge with Scalable NVIDIA Jetson Edge Gateways



HARDWARE

Connect Tech is a hardware design and manufacturing company specializing in rugged, small form factor solutions. They offer a diverse range of products, primarily focusing on NVIDIA Jetson solutions, which are tailored for edge computing and AI applications.

RUDI-NX EMBEDDED SYSTEM:

The ultimate AI edge computing device for state-of-the-art, compute-intensive applications.



Extremely small footprint:
135mmx 50mmx 105mm



GMSL, USB 3.0, USB 2.0,
CAN 2.0b, USB OTG, RS-
485, I2C, GPIO, SPI, PWM



1x NVMe
(PCIe x4, 2280)



Operating Temperature
Range: -20°C to +80°C



Powered by NVIDIA® Jetson Orin™ NX, **Rudi-NX** is capable of running multiple modern neural networks in parallel and processing high resolution data from multiple sensors simultaneously.

POLARIS EMBEDDED SYSTEM:

For deployable computer vision and deep learning applications in rugged environments



IP67 Rated, Actively or
Passively Cooled



Rugged M12: 2x GbE, 2x
CAN, GPIO



Wide range isolated power
input (+18V – +48V)



2x USB3.1, 4x GMSL2 via
sealed FAKRA, 4G/5G/LTE,
WiFi/BT, GNSS, M.2 2280
NVMe M-Key

Harnessing the Jetson Orin™ NX and Orin™ Nano and built for robotics, smart city and autonomous machines, the rugged **Polaris system** provides a wide range of connectivity in an IP67 rated package.



ANVIL EMBEDDED SYSTEM:

Built to deploy massive AI workloads at the Edge



2x 10GBASE-T
Ethernet (RJ-45)



2x NVMe M.2
Key M Slots



Optional GMSL2,
FPD LINK III, or
HD-SDI connectivity



Commercially
deployable NVIDIA®
Jetson AGX Orin™
platform



2x USB 3.2,
2x GbE



Anvil comes ready to withstand even the most compute intensive AI applications with its power-efficient and feature rich design. Seamlessly deploy your next generation autonomous vehicle, smart city application, or intelligent vision solution with this state-of-the-art NVIDIA® Jetson AGX Orin™ supercomputer.

SENTRY-X2 MIL-RUGGED SYSTEM:

Designed for mission critical applications in harsh environments



8x GMSL2
Camera Inputs



Up to 4TB
NVMe Storage



3x Ethernet Ports:
10GbE, 2.5GbE, 1GbE



Tested to IP67,
MIL-STD-810H

Designed for mission critical applications in harsh environments, the **Sentry-X2** is a MIL-SPEC certified AI system for computing at the tactical edge. The NVIDIA® Jetson AGX Orin™ Industrial is a 2048-core GPU capable of 248 TOPS, ideal for advanced AI and machine learning applications. The Sentry-X2 includes 8 GMSL2 camera inputs suitable for complex vision systems, as well as 10Gb, 2.5Gb, and 1Gb Ethernet, dual USB 3.2 ports, and a wide array of I/O options.



Keeping an Eye on Dangerous Driving

PNY®



Hazen.ai, a startup using AI for traffic analytics, provides solutions for traffic enforcement, management, and safety. Partnered with leading tech companies like NVIDIA, Hazen.ai is driving innovation in traffic technology.

Comprehensive Monitoring SAFER ROADS

Detect all types of moving violations thought comprehensive monitoring. Advanced software can detect sudden lane changes, driving on shoulder, queue jumping, failure to yield, illegal U-turns, and more...

Advanced Technology MAKE AI WORK FOR YOU

Based on the latest Deep Learning algorithms, the core video analysis engine reliably detects vehicles in video, and extracts their trajectories for understanding road behavior.

Ease of Deployment SENSIBLE SOLUTIONS

AI-powered camera analytics rather than expensive RADAR or LiDAR deployments. Competitively priced and feature rich.

VISTA PRO: All-in-one Camera



Powered by Hazen's
Core3D Technology



Embedded with high
performance NVIDIA GPU
at its core



Motorized
Lens



Ruggedized
Industrial Design



HazenVISTA Pro is powered by Hazen.ai's proprietary Core3D Engine, which provides best-in-class AI accuracy and reliability. The edge-powered all-in-one camera can be configured for multiple applications, including traffic violation monitoring, seat-belt and mobile phone use enforcement, parking lot management, and access control.

Optimized Architectures: Running Applications at the Edge, Right Where Data is Generated

PNY®

Namla



Namla is an end-to-end Edge Orchestration and Management platform. It offers a set of features for Edge AI infrastructure deployment and management, providing full-stack visibility and observability, robust application orchestration, and reliable edge-to-cloud connectivity and security.

NAMLA ORCHESTRATION PLATFORM:

Bring the Edge to the new Software-defined era



Deployment
efficiency



Operational
consistency



Cost control



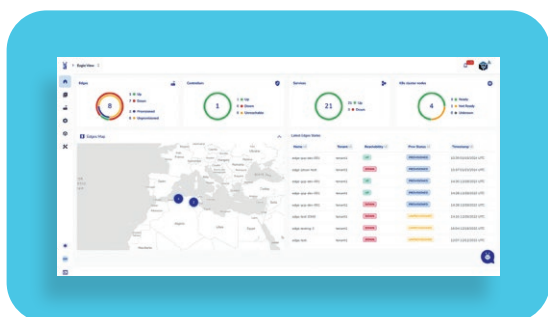
Improved
uptime and
availability.



Security



Visibility and
monitoring



Namla is an Edge Orchestration platform that simplifies the deployment and management of thousands of devices. It ensures consistent configurations, reduces downtime with real-time monitoring, and improves application availability. With robust security and a hardware-agnostic design, Namla lowers costs and boosts efficiency for geographically distributed infrastructures.

CREATE YOUR PRIVATE ACCOUNT AND
ACCESS EXCLUSIVE CONTENT ON OUR PLATFORM
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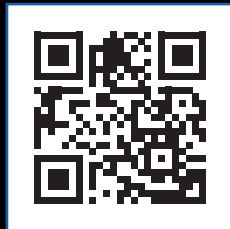
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