Portwell

Portwell Edge AI Platforms

Edge AI Computer with NPU



LYNX-812A

Compact Embedded System with Intel Atom® x7000RE Processors

- 2 x 2.5GbE, 1 x PoE 802.3 af, 2 x USB 3.2
- Onboard Hailo-8 AI chips (26 TOPs)
- Compact size: 120 x 120 x 76 mm



WEBS-45J1

Embedded Rugged Fanless System with 14th / 13th / 12th Gen Intel® Core™

- 1 x GbE, 1 x 2.5GbE, 4 x USB 3.2
- Supports AI Accelerator M.2 module
- 1x M.2 E Key, 1x M.2 M Key



WEBS-45J3

Embedded Rugged Fanless System with 14th / 13th / 12th Gen Intel® Core™

- 1 x GbE, 1 x 2.5GbE, 4 x USB 3.2
- Supports AI Accelerator PCIe card
- 1x M.2 E Key, 1x M.2 M Key
- 2x PCIe expansion slots option

Industrial AI Computer with NVIDIA Jetson™ Module



PJAI-1100

Fanless Compact System with NVIDIA® Jetson Orin Nano / NX Module

- 2 x GbE, 4 x USB 3.2
- Orin Nano / Nano Super / NX (up to 100 TOPs)
- 1 x M.2 2230 E Key, 1 x M.2 3042 / 3052 B Key



PJAI-1100F

Compact System with NVIDIA® Jetson Orin Nano / NX Module

- 2 x GbE, 4 x USB 3.2
- Orin NX Super (up to 157 TOPs)
- 1 x M.2 2230 E Key, 1 x M.2 3042 / 3052 B Key



PJAI-1200

Fanless Compact System with NVIDIA® Jetson Orin Nano / NX Module

- 2 x GbE, 4 x USB 3.2
- Orin Nano / Nano Super / NX / NX Super (up to 157 TOPs)
- Optional I/O board for expansion (Example: PoE, GMSL, OOB)

Industrial AI Computer with NVIDIA Jetson™ Module

Project-based



PJAI-200

Embedded Edge AI System with NVIDIA® Jetson AGX Orin Module

- 1 x GbE, 1 x 10GbE, 12 x PoE, 8 x USB 3.2
- AGX Orin (200 TOPs)
- 2 x RS-232 / 422 / 485, 1 x CANbus FD
- Optional OOB integrated



PJAI-2200

Embedded Edge AI System with NVIDIA® Jetson AGX Orin Module

- 2 x GbE, 1 x 10GbE, 4 x PoE, 6 x USB 3.2
- AGX Orin (up to 275 TOPs)
- Optional I/O board for expansion (Example: PoE, GMSL, OOB)

Edge AI Computer with PCIe GPU

Project-based



PSYS-508-Q670

4U Rackmount System with 14th / 13th / 12th Gen Intel® Core™

- 1 x GbE, 2 x 2.5GbE, 6 x USB 3.2
- Supports NVIDIA® PCIe GPU card
- 7 x SATA ports for storage (RAID 0 / 1/ 5 / 10)

Panel PC with MXM GPU



WMP-19S

19" Medical AI Panel PC with 13th / 12th Gen Intel® Core™

- 1 x GbE, 1 x 2.5GbE, 5 x USB 3.2
- Supports MXM GPU modules based on NVIDIA® embedded GPUs
- 19" Display, 1280x1024 (SXGA), 350 nits, PCAP touch screen



WMP-22S

21.5" Medical AI Panel PC with 13th / 12th Gen Intel® Core™

- 1 x GbE, 1 x 2.5GbE, 5 x USB 3.2
- Supports MXM GPU modules based on NVIDIA® embedded GPUs
- 21.5" Display, 1920x1080 (Full HD), 250 nits, PCAP touch screen



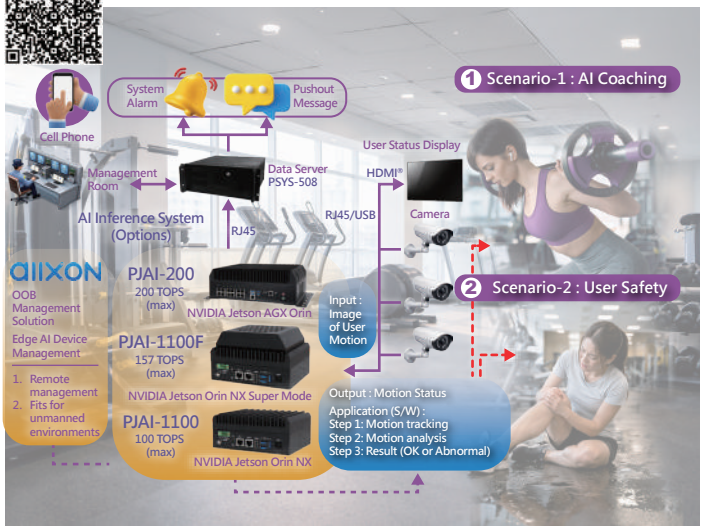
WMP-24S

23.8" Medical AI Panel PC with 13th / 12th Gen Intel® Core™

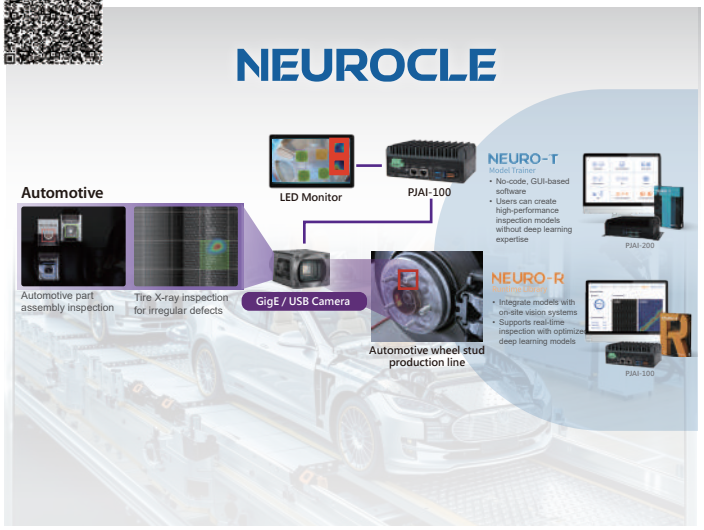
- 1 x GbE, 1 x 2.5GbE, 5 x USB 3.2
- Supports MXM GPU modules based on NVIDIA® embedded GPUs
- 23.8" Display, 1920x1080 (Full HD), 250 nits, PCAP touch screen

AI-Powered Applications

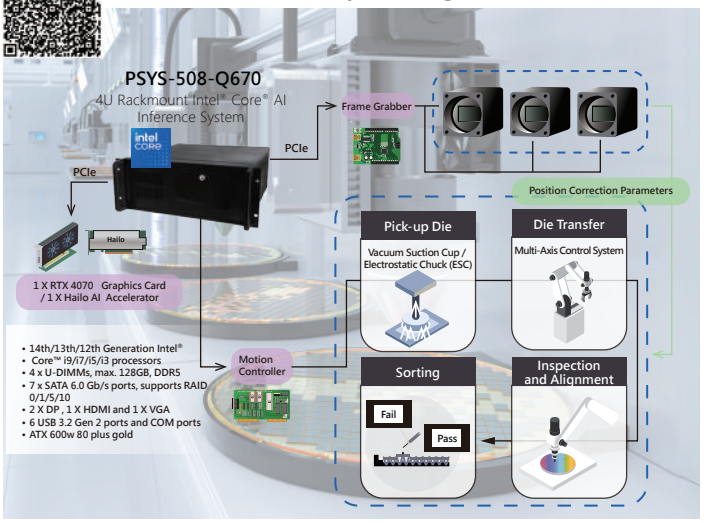
Unmanned Gym Surveillance and Virtual Coach



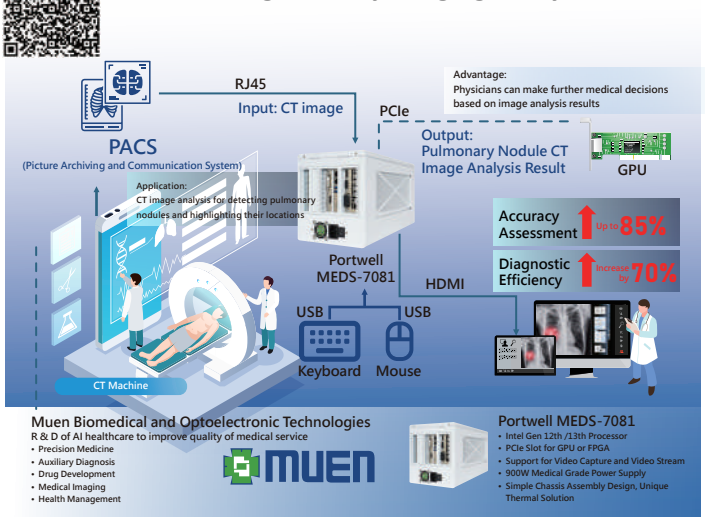
Automotive Manufacturing Defect Inspection



Semiconductor Chip Sorting



Medical Diagnostic by Imaging Analysis



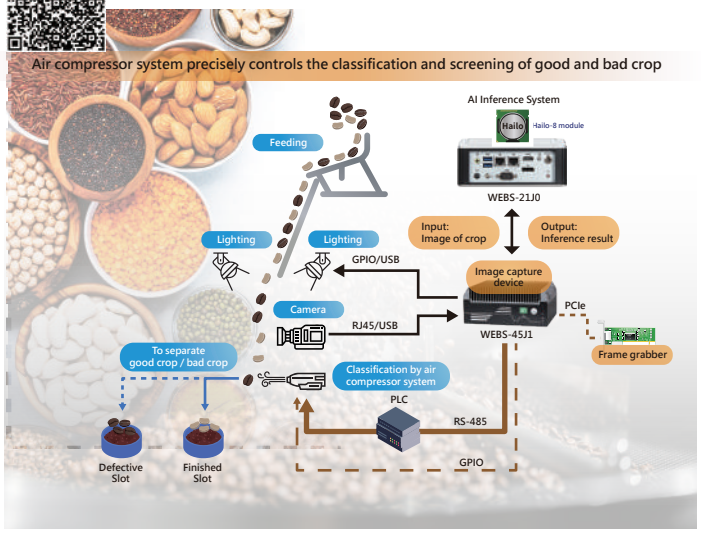
Intelligent Traffic Management

Together with ioNetworks AI solution, vehicle control and management are easy and 24/7. Introduce AI into traffic management, it can not only support real-time license plate recognition but also detect various traffic violations.



Food and Beverage Sorting and Classification

Air compressor system precisely controls the classification and screening of good and bad crop



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