



Next-Gen Rugged Fanless System

WEBS-55M0 / WEBS-55M2

Intel® Panther Lake (Core™ Ultra Series 3)

- 2x DDR5 C50-DIMMs up to 128GB
- Triple 2.5GbE & 6x USB 3.2 Gen2
- Dual HDMI® 2.1 + DisplayPort 2.1
- 2x 2.5" SSD & dual COM/CAN
- 12–24V DC, –25°C to 65°C operation



Industrial Fanless Panel PC

FUDA4

Intel® Atom® x7433RE

- Multiple display sizes from 10.1" to 15.6"
- High-capacity industrial memory
- IP65-rated front panel protection
- Wide-temperature operation
- Designed for industrial & automation application



Rugged Stainless Steel Panel PC

WTP-9K66-22

Intel® Core™ Ultra 125U / 155U

- DDR5 5600MHz memory up to 48GB
- Full HD multi-touch display
- IP66/IP69K fully sealed enclosure
- M.2 expansion for SSD, 4G/5G & Wi-Fi
- Fanless, wide 12–36V DC input



Explosion-Proof Stainless Steel Panel PC

WTPE-9H66-22W

13th Gen Intel® Core™ i5/i7

- Dual DDR5 5200 SO-DIMMs up to 64GB
- FHD resistive touch display
- IP66 / NEMA 4X stainless steel enclosure
- Class I/II Div. 2, ATEX Zone 2 & IECEx
- Fanless, –20°C to 60°C operation



CAN'T FIND EXACTLY WHAT YOU NEED?

Let's build it together.

Portwell's **Design & Manufacturing Services (DMS)** delivers custom Embedded, Edge AI & Panel PC solutions tailored to your requirements.

- ✓ Custom System & Panel PC Design
- ✓ Hardware & Firmware
- ✓ AI & I/O Integration
- ✓ Display & Touch Integration
- ✓ Testing & Certification
- ✓ Manufacturing & Lifecycle Support



EDGE AI & EMBEDDED SYSTEMS

Intelligent Computing for Industrial & Edge Applications



- ✓ Intel® & NVIDIA® Jetson Platforms
- ✓ AI-Ready Embedded Systems
- ✓ Rugged & Reliable Industrial



Industrial Embedded Systems

LYNX-81xx Series

LYNX-8110 / 812A / 812B / 812C / 812D / 812E

- Intel Atom® x7433RE (Amston Lake)
- LPDDR5 memory up to 32GB
- 2.5GbE, USB 3.2 & HDMI/DP
- eMMC & M.2 storage
- AI, PoE, Bypass, Multi-LAN & CAN/COM
- Fanless, -40°C to 70°C operation



Configurations options: 812A AI + PoE | 812B Bypass | 812C 5x LAN | 812D CAN / RS-485 | 812E Dual COM

NVIDIA® Jetson Edge AI System

PJAI-1100F-0X

NVIDIA® Jetson Orin™ NX

- Up to 157 TOPS AI performance
- 8GB / 16GB LPDDR5 memory
- Dual GbE & USB 3.2 Gen2
- M.2 NVMe, Wi-Fi & 4G/5G expansion
- Dual COM, CAN Bus & 12-24V DC input
- Edge AI applications across industries.



High-Performance Edge AI System

PEAI-9910

14th / 13th / 12th Gen Intel® Core™

- Dual DDR5 SO-DIMMs up to 64GB
- NVIDIA RTX™ PRO 5000 Blackwell
- PCIe Gen5 x16 + PCIe Gen4 x4 expansion
- Dual 5GbE high-speed LAN
- HDMI, DP, M.2 & USB 3.2 connectivity



Industrial Barebone System

PSYS-508-Q670

14th / 13th / 12th Gen Intel® Core™ i3/i5/i7/i9

- 4x DDR5 U-DIMMs up to 128GB
- 5x PCIe & 2x PCI expansion slots
- 2x M.2, 3x LAN & 7x SATA
- Dual DP, HDMI & VGA display
- 600W 80 PLUS Gold ATX PSU



Fanless Embedded System

PJAI-200

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

COMING SOON

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)



Fanless Embedded System

RICH-61F0

Intel Atom® x7000RE Series

- DDR4 3200 SO-DIMM up to 32GB
- Dual 2.5GbE LAN
- HDMI & DisplayPort dual display
- M.2 Key E & Key M expansion
- Fanless, -40°C to 60°C operation



WEBS-21J0-ASL

Intel Atom® x7000RE Series

- DDR4 3200 SO-DIMM up to 16GB
- Dual 2.5GbE LAN
- HDMI & DP dual 4K display
- M.2 Key E & Key B expansion
- Optional Hailo-8 AI acceleration
- -20°C to 60°C industrial temperature range



Rugged Fanless Embedded System

PJAI-1200

COMING SOON

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)



Qualcomm® Edge AI Box

PJQAI-11XE

Qualcomm® Dragonwing™ IQ-X Series

- LPDDR5X memory up to 64GB
- Dual GbE & USB 3.2 Gen2
- HDMI, eDP & USB-C display
- Triple M.2 expansion, UFS & microSD
- -40°C to 60°C, 12V DC input



Fanless Embedded System

WEBS-45J3

14th / 13th / 12th Gen Intel® Core™ i3/i5/i7/i9

- Dual DDR5 SO-DIMMs up to 96GB
- 2x PCIe x16 & dual M.2 expansion
- Triple DP up to 8K & HDMI
- 4x COM, 2x LAN & 8x USB
- Dual removable 2.5" HDD/SSD trays



WEBS-91J0

Intel® Processor N150 / Intel Atom® x7433RE

- DDR4 3200 SO-DIMM up to 32GB
- 3x GbE LAN & 3x USB 3.0
- HDMI & DisplayPort dual display
- M.2 Key B & Mini-PCIe expansion
- Wall, DIN-rail mount

