

Customer success story

MAXIMUM PERFORMANCE, MINIMAL FOOTPRINT

Custom 1U Fanless Dual Node IPCv4



The challenge

Our customer needed a compact, low-power industrial computing solution with dual independent nodes in a single chassis.

Their operations required stable, mission-critical performance, multi-platform communication, and continuous operation in rugged environments. Previous systems were unable to deliver sufficient computing power within a small footprint.

The solution

In collaboration with the customer, Blue Line developed the 1U Fanless Dual Node IPCv4.

Two independent nodes in a single fanless chassis deliver high reliability and energy efficiency.

Supporting multiple operating systems and flexible connectivity, the short-depth, rugged design ensures seamless operation in demanding conditions and future scalability.

The results



Reliable operation

Designed for continuous use in harsh environments



Space saving

Two nodes in one compact 1U unit.



Perfect fit

Designed to customer needs



Fanless stability

Silent, durable performance with no moving part

Key features

- Processor: Intel Atom x6413E
- Operating systems: Windows 10, Windows 11, Linux
- Ports: Five USB, two 2.5 GbE, two HDMI, audio outputs
- Chassis: Short depth 397 mm, fanless design
- Storage: Easy access disk bay
- Lifecycle: Long product life cycle for industrial use

