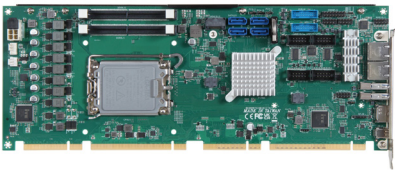
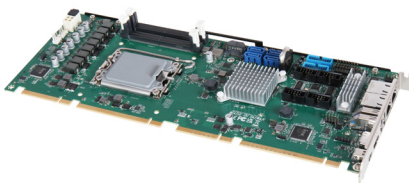
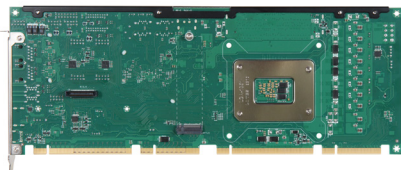


High-Performance PICMG 1.3 SBC Powered by Intel® Core™ Ultra Processors



Engineered for Demanding Medical, Industrial, and Signage Environments

Powered by Intel® Core™ Ultra processors, the Portwell [ROBO-8117G2AR](#) high-performance PICMG 1.3 SBC/SHB is designed for industrial and embedded applications requiring advanced computing and connectivity. Supporting up to 96GB DDR5 6400 ECC SO-DIMM, it ensures high-speed memory access and system reliability. The board features multi-display support via dual HDMI® and MiniDP, along with dual 2.5GbE Ethernet based on PCIe x1 for fast, stable networking. Expansion I/O includes two USB 3.2 Gen2 ports for high-speed data transfer, while onboard TPM 2.0 provides enhanced hardware-level security. Leveraging Intel's cutting-edge architecture, this solution delivers improved AI acceleration, reliability, and scalability—making it ideal for next-generation edge computing, automation, and high-bandwidth industrial environments.



Key Features



High-Capacity
DDR5 Memory



Multi-Display
Support



High-Speed
Networking



Advanced I/O
& Security

Intel Products & Technology



[Intel® Core™ Ultra Processors](#)

[Intel® Thermal Analysis Tool](#)

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