

Nallatech

1010 Liberty Park Road, Suite 103 • Eldersburg, MD 21784

Tel: 410-552-3353 • Fax: 410-552-3354

www.nallatech.com

**BenNUEY-PCI-104-V4****PCI-104 FPGA Computing Processor Card**

The BenNUEY-PCI-104-V4 FPGA computing stack provides a powerful platform for high-performance embedded systems development and deployment in production environments across a variety of applications including signals intelligence, avionics, Software Defined Radio, and autonomous vehicles. This solution is suitable for Size, Weight, and Power (SWAP) constrained real time embedded applications. An on-board Virtex-4 FX FPGA provides the ideal balance of resources for processing and system management, whilst three DIME-II expansion slots allow users to optimize system resources to meet processing, memory, and I/O requirements. The BenNUEY-PCI-104-V4 can support multiple analog and digital I/O interfaces up to seven user FPGAs.

**FEATURES:**

- PCI-104 form factor
- On-board Xilinx Virtex-4 FX60 or FX100 user FPGA
- 8 MB DDR-II SRAM
- 32-bit / 33 MHz PCI interface
- Three DIME-II module expansion slots
- 100 digital I/O lines – configured single-ended or differential operation