

Features

- 9-slot, 6U 19-inch rackmount, 12-inch deep chassis for 6U VPX boards
- Windows® or Linux® workstation
- Intel® processor
- 8 GB DDR SDRAM
- Delivered with board-appropriate software installed: ReadyFlow® or Navigator® drivers and board support libraries
- Out-of-the-box ready-to-run examples



General Information

The Model 8264 is a fully-integrated, 6U VPX development system for Pentek Cobalt®, Onyx®, and Jade™ software radio, data acquisition, and I/O boards. It was created to save engineers and system integrators the time and expense associated with building and testing a development system that ensures optimum performance of Pentek boards.

A fully-integrated system-level solution, the 8264 provides the user with a streamlined out-of-the-box experience. It comes pre-configured with Pentek hardware, drivers and software examples installed and tested to allow development engineers to run example applications out of the box.



System Implementation

Built on a professional 6U rackmount workstation, the 8264 is equipped with the latest Intel processor, DDR SDRAM and a high-performance single-board computer. These features accelerate application code development and provide unhindered access to the high-bandwidth data available with Cobalt, Onyx, and Jade analog and digital interfaces. The 8264 can be configured with Windows or Linux operating systems.

The 8264 uses a 19-inch 6U rackmount chassis that is 12 inches deep. Nine VPX slots provide ample space for an SBC, a switch card, and multiple Pentek boards. Enhanced forced-air ventilation assures adequate cooling for all boards and dual 500-W power supplies guarantee more than adequate power for all installed boards.

Mounting provisions for two 3.5-inch drives with front-accessible trays allow for easy removable storage. Front-panel access to USB, display, Ethernet, and RS-232 ports simplifies development; an optional rear transition module supplements the front panel connections with SATA, audio, a second video interface, and additional USB ports.

Specifications

Operating System: Windows or Linux
Processor: Intel Core i7 processor or better
SDRAM: 8 GB standard, 16 GB optional
Dimensions: 6U Chassis, 19" W x 12" D x 7" H
Weight: 35 lb, approx.
Operating Temperature: 0° to +50° C
Storage Temperature: -40° to +85° C
Relative Humidity: 5 to 95%, non-condensing
Power Requirements: 100 to 240 VAC, 50 to 60 Hz, 1000 W max.

These specifications are subject to change. Contact Pentek for details.

Configuration

All 8264 systems come with software and hardware installed and tested. Up to seven Pentek boards in the 8264 can be supported. Please [contact Pentek](#) to configure a system that matches your specific requirements.

Ordering Information

Click [here](#) for more information.

Model 8264	6U VPX Development System for Cobalt, Onyx, and Jade Boards
Option -094	64-bit Linux OS
Option -095	Windows OS
Option -101	Upgrade to 16 GB DDR SDRAM
The addition of third-party VPX boards may affect system performance. Please consult with us before doing so.	

Options

Available options include high-end multicore CPUs and extended memory support.

Lifetime Support

Pentek offers the worldwide military embedded computing community shorter development time, reliable, rugged solutions for a variety of environments, reduced costs, mature software development tools, and **free** lifetime support that our customers can depend on: phone and email access to engineering staff as well as software updates. Take advantage of Pentek's expertise in delivering high-performance radar, communications, SIGINT, and data acquisition MIL-Aero solutions worldwide for over 30 years.

Pricing and Availability

To learn more about our products or to discuss your specific application please contact [your local representative](#) or Pentek directly:

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