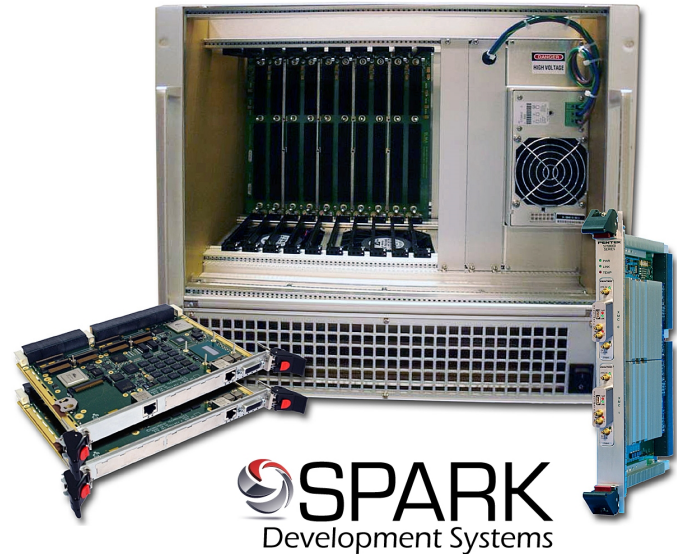


## Features

- 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:

Pentek, Inc.  
 One Park Way  
 Upper Saddle River, NJ 07458 USA  
 Tel: +1 (201) 818-5900  
 Email: [sales@pentek.com](mailto:sales@pentek.com)