

New!

## Model 8264

# 6U OpenVPX Development System for Cobalt and Onyx Boards



### Features

- 9-slot, 6U 19-inch rackmount, 12-inch deep chassis which houses 6U VPX boards
- 64-bit Windows® 7 Professional or Linux® workstation
- Intel® Core™ i7 3.6 GHz processor
- 8 GB DDR3 SDRAM
- ReadyFlow® drivers and board support libraries installed
- Out-of-the-box ready-to-run examples

### Ordering Information

Model	Description
8264	6U VPX Development System for Cobalt and Onyx Boards

#### Options:

-094	64-bit Linux OS
-095	64-bit Windows 7 OS
-101	Upgrade to 16 GB DDR3 SDRAM

The addition of third-party VPX boards may affect system performance. Please consult with us before doing so.

### General Information

The Model 8264 is a fully-integrated, 6U VPX development system for Pentek Cobalt® and Onyx® 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 preconfigured with Pentek hardware, drivers and software examples installed and tested to allow development engineers to run example applications out of the box.

### ReadyFlow Software

Pentek ReadyFlow drivers and board support libraries are preinstalled and tested with the 8264. ReadyFlow includes example applications with full source code, a command line interface for custom control over hardware, and Pentek's Signal Analyzer, a full-featured analysis tool that continuously displays live signals in both time and frequency domains.

### System Implementation

Built on a professional 6U rackmount workstation, the 8264 is equipped with the latest Intel i7 processor, DDR3 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 and Onyx analog and digital interfaces. The 8264 can be configured with 64-bit Windows or Linux operating systems.

The 8264 uses a 19" 6U rackmount chassis that is 12" 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 in. 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.

### 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.

### Options

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

### Specifications

**Operating System:** 64-bit Windows 7

Professional or Linux

**Processor:** Intel Core i7 processor

**Clock Speed:** 3.6 GHz

**SDRAM:** 8 GB standard, 16 GB optional

**Dimensions:** 6U Chassis, 19" W x 12" D x 10.5" H

**Weight:** 50 lb, approx.

**Operating Temp:** 0° to +50° C

**Storage Temp:** -40° to +85° C

**Relative Humidity:** 5 to 95%, non-condensing

**Power Requirements:** 100 to 240 VAC, 50 to 60 Hz, 1000 W max.

