

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.

