

## SPARK Development Systems

The Pentek SPARK® systems are fully-integrated development systems for Pentek Cobalt®, Onyx®, Flexor®, Jade®, and Quartz™ software radio, data acquisition, and I/O boards. They were created to save engineers and system integrators the time and expense associated with building and testing development systems that ensure optimum performance of Pentek boards.

A fully-integrated system-level solution, each SPARK development system provides the user with a streamlined, out-of-the-box experience. Each 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.

### Ready-to-Run Development Systems

- The **Model 8266 PCIe** development system is equipped with the latest Intel processor, DDR SDRAM and a high-performance motherboard. These features accelerate application code development and provide unhindered access to the high-bandwidth data available with Pentek analog and digital interfaces.

This development system uses a 19" 4U rackmount chassis that is 21" deep. It can be configured with Windows® or Linux® operating systems.

- The **Model 8267 3U OpenVPX** development system is equipped with the latest Intel i7 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 Pentek analog and digital interfaces. The development system can be configured with Windows or Linux operating systems.

This development system uses a 19" 4U rackmount chassis that is 12" deep. Nine VPX slots provide ample space for an SBC, a switch card and multiple Pentek boards.

- The **Model 8264 6U OpenVPX** development system is equipped with the latest Intel i7 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 Pentek analog and digital interfaces. The system can be configured with Windows or Linux operating systems.

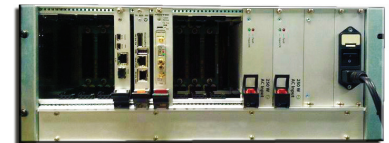
This development system uses a 19" 6U rackmount chassis that is 12" deep. Nine VPX slots provide ample space for an SBC, a switch card and multiple Pentek boards.

### Ventilation and Power

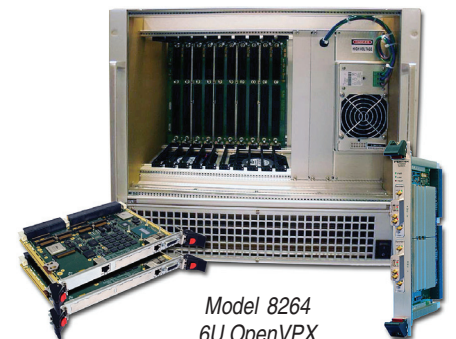
In all development systems, enhanced forced-air ventilation assures adequate cooling for all boards and power supplies guarantee more than adequate power for all installed boards.



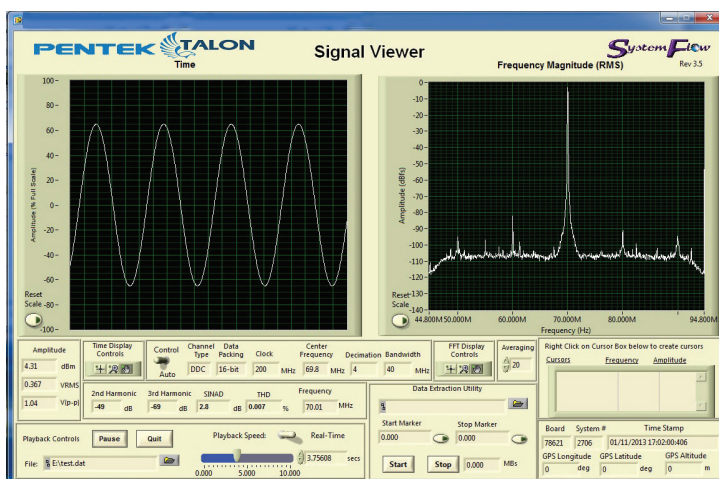
Model 8266  
PCIe Development  
System



Model 8267  
3U OpenVPX  
Development System



Model 8264  
6U OpenVPX  
Development System



### ReadyFlow® & Navigator® Board Support Packages (BSPs)

Pentek's BSPs contain C-language examples that can be used to demonstrate the capabilities of the Pentek products. The BSP compiled executable examples operate the hardware right out of the box, without the need to write any code. The BSPs also include a Signal Viewer, a full-featured analysis tool, built-in measurement functions, interactive cursors to mark data points and instantly calculate amplitude and frequency of the displayed signals.