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 preconfigured 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, DDR3 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 64-bit Windows or Linux operating systems.

- The Model 8267 3U OpenVPX development system 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 Pentek analog and digital interfaces. The development system can be configured with 64-bit 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, 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 Pentek analog and digital interfaces. The system can be configured with 64-bit Windows or Linux operating systems.

  This development system uses a 19” 9U rackmount chassis that is 16” 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.

ReadyFlow Software

Available with all development systems, the Ready-Flow® Signal Analyzer is a full-featured analysis tool that continuously displays live signals in both time and frequency domains.