

# DPX<sup>®</sup>-Developer's Kits



## Features

- All inclusive kits for each DPX<sup>®</sup> mainboard
- Fast and simple setup to evaluate and start development
- Includes pre-configured operating systems, drivers and utilities
- Demo and reference source code
- I/O development board, power supply, full documentation



IoT Solutions Alliance Premier



CE FCC

## Introduction

With development times becoming shorter in the gaming industry, the range of DPX<sup>®</sup> Developer's kits provides a fast, simple way to get up and running with any of the DPX<sup>®</sup> Series products. The kits are based on a DPX<sup>®</sup> mainboard, populated with CPU, RAM and including all the other necessary items to set up an evaluation and development station. The mainboard is enclosed in a production chassis (DPX<sup>®</sup>-S Series chassis). Operating systems are pre-installed on the included storage drive together with drivers, demo utilities with source code, and full documentation.

The I/O development board allows for simple connection of most gaming peripherals as well as including LED indicators and switches to allow simulation of game I/O functions.

## Developer's Kits include:

DPX <sup>®</sup> Mainboard
S Series chassis
Development connector board (and interface cable to mainboard)
Power supply
PCI Express riser card (graphics cards available separately)
DVD/USB ROM drive
Drivers and utilities CD
High performance storage drive (SSD, HDD or CF depending on the model)
Windows <sup>®</sup> and Linux OS pre-installed and configured
Full set of documentation
All necessary internal cables set for the DPX <sup>®</sup> mainboard
One year's unlimited support and access to Advantech-Innocode support site

## Feature Summary

DPX <sup>®</sup> Series mainboard	Developer's kits are available for most of the DPX range
I/O Development board	10 x RS232 Serial ports (depends on mainboard specification)
	2 x CCTalk ports
	6 x USB 2.0 ports
	2 x I <sup>2</sup> C ports (SMBUS, DPC1)
	32 Digital inputs and 32 Digital outputs
	32 Digital output status LEDs
	32 input push button switches
	2 x I <sup>2</sup> C EEPROM's
	2 x I <sup>2</sup> C EEPROM Address Configuration switches
	6 x Intrusion inputs
	6 x Intrusion switches
	1 x Power Fail Detect (PFD) Input
	1 x PFD switch
	4 x GPIO status LEDs
6 x Meter outputs with disconnect detect	
Video	Integrated graphics of the DPX board Optional high performance PCI-Express graphics card
Audio	2.1 Amplified sound system
Enclosure	Metal chassis
Other I/O	Typ. 2 x LAN, 4 x USB, DVI, VGA on motherboard front panel connectors (Check DPX <sup>®</sup> motherboard datasheet for details)
Software	Windows <sup>®</sup> and Linux OS pre-installed and configured Edge-to-edge drivers and API/SDK. Demo and utility programs and source code DPX <sup>®</sup> Diagnostics demo and test SDK

All product specifications are subject to change without notice.

## Optional Hardware

Edge card connector set  
 Solid state storage (SSD, SATADOM, C-Fast, Compact Flash)  
 PCI-Express VGA graphics cards  
 iButtons®

## Optional Software

DPX® Connector  
 TPM Suite  
 SecureBoot™  
 DPX® SAS Connector  
 Microsoft® Windows™ operating systems

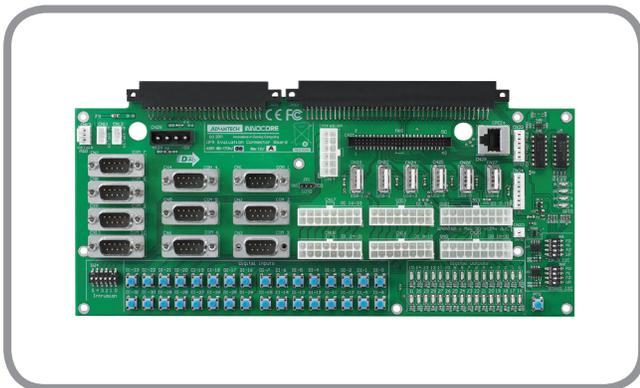
## Benefits

Speeds set-up and development of DPX® boards  
 All inclusive kits – no other parts to source  
 Included demo and utility software reduces learning curve for software developers  
 Included I/O development board allows for easy peripheral connection and I/O event simulation.

## Ordering Information

DPX-E135 kits CPU and Operating System	CPU	RAM
D-CTOS-EKGBIN09-DI AMD GX212 6W Win7/Linux	1.2 GHz dual core	8GB
D-CTOS-EKGBIN09-DJ AMD GX412 7W Win7/Linux	1.5 GHz quad core	8GB
D-CTOS-EKGBIN09-DK AMD GX424 25W Win7/Linux	2.4 GHz quad core	8GB
DPX-S435 kits CPU and Operating System CPU Speed RAM		
D-CTOS-EKGBIN09-D1 Intel® Celeron® G1820TE Win7/ Linux	2.2 GHz dual core	8GB
D-CTOS-EKGBIN09-D2 Intel® Pentium® G3320TE Win7/Linux	2.3 GHz dual core	8GB
D-CTOS-EKGBIN09-D3 Intel® Core™ i3-4330TE Win7/Linux	2.4 GHz dual core	8GB
D-CTOS-EKGBIN09-D4 Intel® Core™ i5-4570TE Win7/Linux	2.7 GHz dual core	8GB
D-CTOS-EKGBIN09-D5 Intel® Core™ i7-4770TE Win7/Linux	2.3 GHz quad core	8GB
D-CTOS-EKGBIN09-D6 Intel® Xeon™ E3-1268L v3 Win7/Linux	2.3 GHz quad core	8GB
DPX-S440 kits CPU and Operating System CPU Speed RAM		
D-CTOS-EKGBIN09-DL AMD GX-217GI Win7/Linux	2.0 GHz dual core	8GB
D-CTOS-EKGBIN09-DM AMD RX-216GD Win7/Linux	1.6 GHz dual core	8GB
D-CTOS-EKGBIN09-DN AMD RX-418GD Win7/Linux	1.8 GHz quad core	8GB
D-CTOS-EKGBIN09-DO AMD RX-421BD Win7/Linux	2.8 GHz quad core	8GB

## I/O Development board



## OEM Customization and Product Development

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