DPX®-Developer's Kits

Features

- All inclusive kits for each DPX® 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

Introduction

With development times becoming shorter in the gaming industry, the range of DPX® Developer's kits provides a fast, simple way to get up and running with any of the DPX® Series products. The kits are based on a DPX® 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®-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® Mainboard
S Series extrusion chassis
Development connector board (and MUC interface cable to mainboard)
Power supply – universal 180W
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® and Linux OS pre-installed and configured
Full set of documentation
All necessary internal cables set for the DPX® mainboard
One year's unlimited support and access to Advantech-Innocore support site

Feature Summary

DPX® 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 I²C ports (SMBUS, DPCI)
	1x DPCI+ Serial I/O expansion bus connector
	32 Digital inputs and 32 Digital outputs (Max 24V d.c.)
	32 Digital output status LEDS
	32 input push button switches
	2 x I²C EEPROM's
	2 x I²C 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	Aluminum extruded chassis.
Other I/O	Typ. 2 x LAN, 4 x USB, DVI, VGA on motherboard front panel connectors (Check DPX® motherboard datasheet for details)
Software	Windows® and Linux OS pre-installed and configured
	Edge-to-edge drivers and API/SDK.
	Demo and utility programs and source code
	DPX® Diagnostics demo and test SDK

Optional Hardware

Edge card connector set
Compact Flash cards
PCI-Express VGA graphics cards
iButtons®

Optional Software

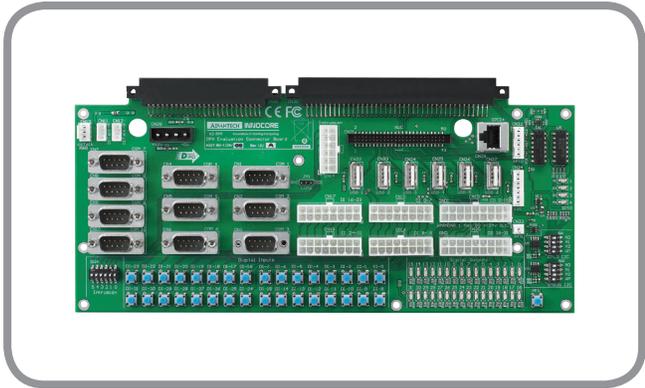| |
|---|
| DPX® Connector |
| TPM Suite |
| SecureBoot™ |
| DPX® SAS Connector |

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-S415 kits	CPU and Operating System	CPU Speed	RAM
X-INN-01-0016P-00	AMD Athlon-II Neo R44L Win/Linux	1.7 GHz single core	4GB
X-INN-01-0016P-03	AMD Turion-II Neo N40L Win/Linux	1.5GHz dual core	4GB
X-INN-01-0016P-02	AMD Turion-II Neo N54L Win/Linux	2.2 GHz dual core	4GB
DPX-S425 kits	**CPU and Operating System**	**CPU Speed**	**RAM**
X-INN-01-0017P-00	Intel® Celeron® P4500 Win/Linux	1.86 GHz dual core	4GB
X-INN-01-0017P-01	Intel® Core™ i5 520m Win/Linux	2.2 GHz dual core	4GB
X-INN-01-0017P-02	Intel® Core™ i7 620m Win/Linux	2.4 GHz dual core	4GB
DPX-E120 kits	**CPU and Operating System**	**CPU Speed**	**RAM**
X-INN-01-0018-00	AMD T56N Win/Linux	1.65 GHz dual core	2GB
X-INN-01-0018-02	AMD T52R Win/Linux	1.5 GHz single core	2GB
X-INN-01-0018-04	AMD T44R Win/Linux	1.2 GHz single core	2GB

I/O Development board

OEM Customization and Product Development

- Advantech-Innocore is part or the Advantech Co., Ltd. Group of Companies.

- Advantech-Innocore specializes in the fields of PC-based hardware design and software development. Our in-depth knowledge and global resources make us your ideal partner.

- Specifications subject to change. E&OE.

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