

Passive Backplane-II provides a base for the DPX-series ConnectBus® platform. The Passive Backplane provides access to all the interfaces available with the latest ConnectBus motherboards as well as remaining backwards compatible with older motherboards. Additional functionality is supported such as power sources for peripherals, and configuration options to provide flexibility of use. The backplane is designed for easy integration into a locked logic box with all logic and storage devices inside and easy access to connectors.

FEATURE SUMMARY

Convenient Design

Compatible with all ConnectBus motherboards and I/O boards

Lock-Box arrangement allowing easy gaming machine deployment

Uses commonly available mating connectors.

Power

Power/Ground tracking designed for best noise and ESD immunity and signal integrity

Power and Reset buttons

Standby Power for KBD/MSE to allow wake by device

Accepts additional 24v input to power peripherals

Peripheral power source providing 1x 3v3, 2x 5v, 2x 12v and 1x24v

Audio

Supports the Innocore Audio Card range

Sourcing for both amplified and pre-amplified audio signals

Video

Supports 2x VGA and 2x DVI with video signals individually routable to DVI-I Connectors.

Communication

Supports dual Gigabit LAN (subject to DPX mainboard used)

3 Dedicated SATA channels plus power header

2 I²C channels

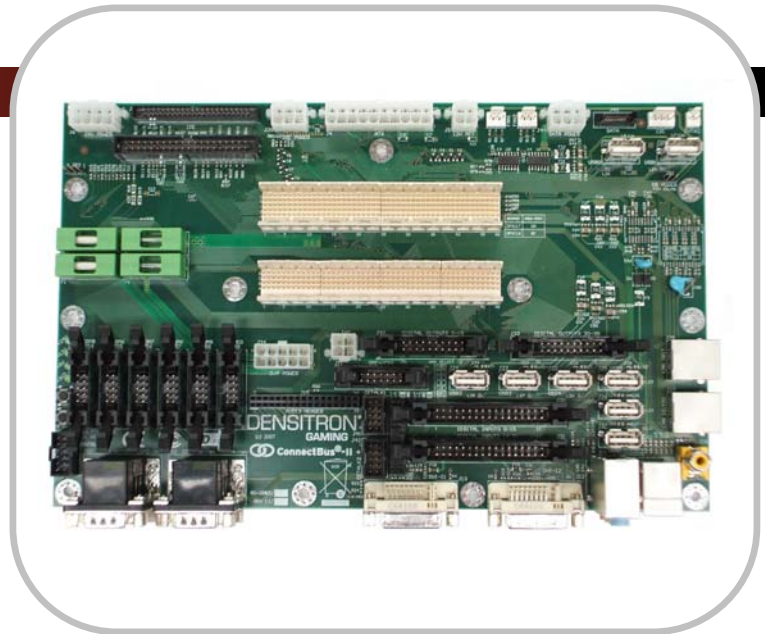
I/O

40 Digital Outputs

32 Digital Inputs

10 Serial ports

10 USB 2.0 with over-current protection



Intrusion

Duplicate location of intrusion input 0 within the Lock-Box space to ensure tamper proof intrusion detection, with 6 intrusion detection inputs (total) available

Environment

2x System/Enclosure Fan headers (12v) with Tacho reporting to the Mainboard

Operating temperature range of 0°C to +50°C

FCC (Class A) and CE (Class A) EMC compliant

Fully ROHS compliant

Physical Dimensions

165mm x 262mm

See overleaf for connector specification

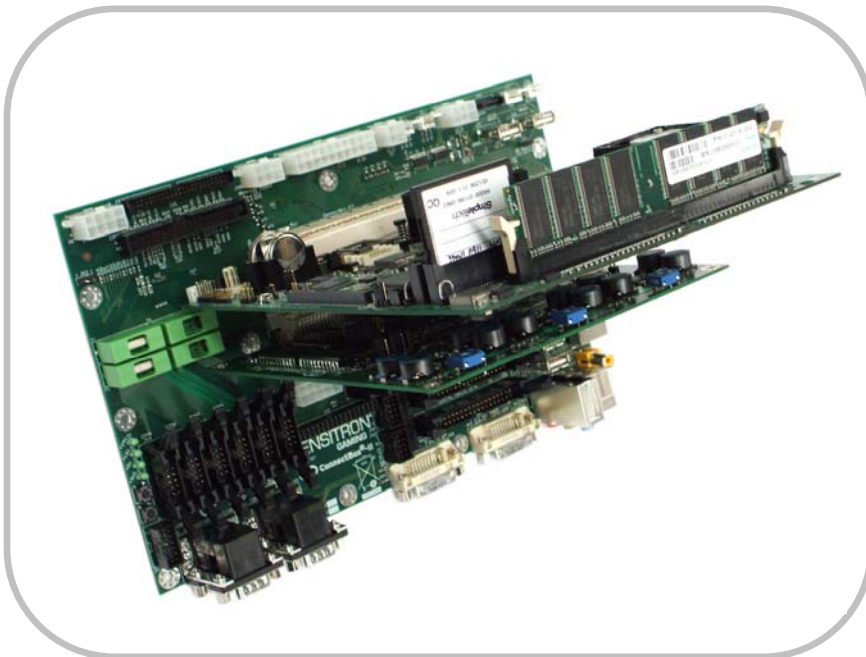
Passive Backplane-II

Interface Connections:

The Passive Backplane includes all connections needed to support the extensive list of available functions on the DPX Platform.

BP Connector	Part Code	Mating Connector Description	Manufacturer
COM Port D-Type	IDE9SF	Socket D-Type 9-Way	ITW Mcmurdo
COM Port IDC	09185107813	10-Way IDC Socket With S/Relief	Harting
Speakers	09185147813	14-Way IDC Socket With S/Relief	Harting
Digital Outputs	09185207813	20-Way IDC Socket With S/Relief	Harting
Digital Inputs	09185347813	34-Way IDC Socket With S/Relief	Harting
Intrusion	90142-0012	Housing, 6x2-Row Friction Lock	Molex
Intrusion#0	22-01-2025	KK-Type Crimp Housing 0.1" 2 Way	Molex
Fans	22-01-2035	Crimp Housing 0.1" 3 Way	Molex
I ² C	22-01-2045	KK-Type Crimp Housing 0.1" 4-Way	Molex
ccTalk	90142-0010	Housing, 5x2-Row Friction Lock	Molex
12v ATX / DO1-4	39-01-2040	4 Way Minifit Receptacle	Molex
SATA / IDE Power	39-01-2060	6 Way Minifit Receptacle	Molex
24v Input	39-01-2080	8 Way Minifit Receptacle	Molex
O/P Power	39-01-2100	10 Way Minifit Receptacle	Molex
Audio	0918534 7324	Header 34-Way STRT	Harting
Network	5-569532-2	RJ45 Plug SHLD	Tyco Electronics
Video In	XST01G	RCA Phono Plug Yellow	Lumberg

ConnectBus-II Platform – DPX-116, I/O Board-II, Passive Backplane-II



Required Hardware:

- Connectbus-II DPX Mainboard

Optional Hardware

- I/O Board
- Audio Card

OEM Customization and Product Development:

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. All trademarks are acknowledged and respected

For more technical details please refer to Innocore documents 200-308 Passive Backplane User Manual, 200-307 I/O Board II User Manual, 200-278 DPX-116 User Manual, 200-312 DPX-117 User Manual, the ConnectBus-II Platform Datasheet and DPCI SDK and Run-time Package.

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