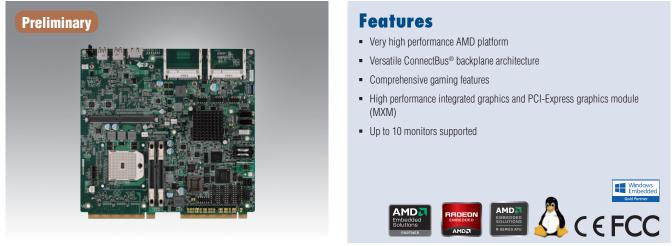
# DPX®-C710

#### **AMD® Embedded R-Series Gaming Platform**



#### Introduction

The DPX<sup>®</sup>-C710 is a completely integrated motherboard for gaming applications. Based on the 3<sup>rd</sup> generation of Advantech-Innocore's ConnectBus<sup>®</sup> backplane architecture, the DPX-C710 offers un-paralleled ease of installation and field service. The board uses AMD's high performance dual and quad core APUs with "Discrete-level Graphics". The chipset graphics (AMD Radeon HD7000 series) can output to 4 independent monitors and supports DisplayPort 1.2. In addition, the MXM graphics card slot allows the DPX-C710 to be fitted with a selection of discrete high performance graphics modules. The MXM slot ensures the system is "future proof", ready for the next generation of graphics technology. A full feature set of I/O and COMs designed specifically for gaming devices is also included making the DPX-C710 an ideal integrated platform for many high end gaming, amusement and kiosk applications.

#### **Specifications**

System	3rd Generation ConnectBus <sup>®</sup> architecture - "Pluggable" CPU board and robust backplane
	All cable connections are made through the backplane
	Standard backplane available
	Easily customized backplane for specific applications and retrofit projects
	Removable CPU board for easy install, service and maintenance
	AMD Embedded R-Series Dual and Quad Core APUs
	Long life cycle 5 years availability
	DDR3-1600, 2 SODIMMs up to 16GB
	2 x Gigabit Ethernet LAN
	HD Audio 7.1 channel
	Integrated – AMD Radeon 7000 series graphics engine
	Dual, triple and Quad monitor support from APU
	Three DP++ interfaces support DisplayPort, DVI, HDMI
	and VGA (customizable on backplane)
Video (Integrated)	Incl. one DP v1.2 with MST (multi-monitor, daisy chain) support
	Direct X 11, OpenGL 4.2, OpenCL, DirectCompute support
	UVD3 Multimedia hardware decode and encode.
Video (Discrete)	Full speed PCI-Express x16 MXM v3.0 slot to support optional high performance graphics cards; AMD Radeon E6000 series, Radeon E8000 series, Nvidia®
	Field or factory upgradeable
Security	TPM security device on board
	Intrusion switch inputs (8 dedicated)
	BIOS customization
	1 x iButton <sup>®</sup> socket (option)
	1 x Security ROM socket
Software	Edge-to-edge drivers and Software API/SDK.
	Code portability through consistent API with other Innocore boards.
	Range of Advantech-Innocore software products for Gaming

AMD Embedded R-Series FS1r2 Accelerated Processing Unit (APU)Dual and Quad Core APUs up to 2.7GHz (3.2GHz Turbo) Up to 4MB L2 cache Low power (35W) APUsMemory2 x SODIMM socketsUp to 16GB DDR3 1600 MT/s SDRAM system RAMBIOSAMI APTIO UEFI BIOS BIOS can be write protectedLANFull duplex operation Wake-On-LAN capability2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOMStorage3 x RS232 Serial, 16550 compatible 2 x CTalk/RS232Ports3 x RS232 Serial, 16550 compatible 2 x ICTalk/RS2322 x I2C, 1x SPI interfaces through backplane 2 4 channel LED drive outputiButton/GPIOBi-Directional, programmable GPIO header for iButton, special purpose device or security module 32 CO outputs (500mA, 50V) Of which 6 I/O ports can be configured as meter outputs with disconnect detectSoundHD 7.1 channel AudioSRAM (NVRAM)4096 KB fast SRAM (2 banks) on PCI bus Battery state software readableTPMTCPA/TPM 1.2 compliant security device on board.		
CPU/Chipset Up to 4MB L2 cache   Low power (35W) APUs   AMD A75 FCH   Memory 2 x SODIMM sockets   Up to 16GB DDR3 1600 MT/s SDRAM system RAM   BIOS AMI APTIO UEFI BIOS   BIOS can be write protected 2 x Ethernet Gigabit LAN   LAN Full duplex operation   Wake-On-LAN capability 2 x C-Fast™ sockets   2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM   1 x eSATA front access   3 x RS232 Serial, 16550 compatible   2 x CCTalk/RS232   2 x RS232/TTL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x   USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1x SPI interfaces through backplane   2 4 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 CC Outputs (500mA, 50V)   Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   AMI APTIOL 4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable	CPI1/Chinset	Unit (APU)
Ports Dp t0 4WB L2 cable   Low power (35W) APUs   AMD A75 FCH   Memory 2 x SODIMM sockets   Up to 16GB DDR3 1600 MT/s SDRAM system RAM   BIOS AMI APTIO UEFI BIOS   BIOS BIOS can be write protected   2 x Ethernet Gigabit LAN   LAN Full duplex operation   Wake-On-LAN capability   2 x C-Fast™ sockets   2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM   1 x eSATA front access   3 x RS232 Serial, 16550 compatible   2 x CCTalk/RS232   2 x RS232/TIL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x   USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x 12C, 1 x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 ESD protected inputs   32 OC Outputs (500mA, 50V)   Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) 4096 KB fast SRAM (2 banks) on PCI bus		
AMD A75 FCHMemory2 x SODIMM sockets Up to16GB DDR3 1600 MT/s SDRAM system RAMBIOSAMI APTIO UEFI BIOS BIOS can be write protectedLANFull duplex operation Wake-On-LAN capabilityStorage2 x C-Fast™ sockets 2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM 1 x eSATA front accessPorts3 x RS232 Serial, 16550 compatible 2 x CCTalk/RS232 2 x RS232/TTL 1 x RS232/485 14 x USB 2.0 on board headers, 7x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane) 2 x 12C, 1x SPI interfaces through backplane 24 channel LED drive outputBiotion/GPIOBi-Directional, programmable GPIO header for iButton, special purpose device or security module 32 0C Outputs (500mA, 50V) Of which 6 I/O ports can be configured as meter outputs with disconnect detectSoundHD 7.1 channel Audio Battery state software readable	01 0/011000	
Memory 2 x SODIMM sockets   Up to16GB DDR3 1600 MT/s SDRAM system RAM   BIOS AMI APTIO UEFI BIOS   BIOS can be write protected   2 x Ethernet Gigabit LAN   LAN Full duplex operation   Wake-On-LAN capability   2 x C-Fast™ sockets   2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM   1 x eSATA front access   3 x RS232 Serial, 16550 compatible   2 x CTalk/RS232   2 x RS232/TTL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x 12C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 OC Outputs (500mA, 50V)   Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) 4096 KB fast SRAM (2 banks) on PCI bus		
Memory   Up to 16GB DDR3 1600 MT/s SDRAM system RAM     BIOS   AMI APTIO UEFI BIOS     BIOS can be write protected   2 x Ethernet Gigabit LAN     LAN   Full duplex operation     Wake-On-LAN capability   2 x C-Fast™ sockets     Storage   2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM     1 x eSATA front access   3 x RS232 Serial, 16550 compatible     2 x CTalk/RS232   2 x RS232/TTL     1 x RS232/485   14 x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane)     2 x 12C, 1 x SPI interfaces through backplane   24 channel LED drive output     Bi-Directional, programmable GPIO header for iButton, special purpose device or security module   32 OC Outputs (500mA, 50V)     Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   32 OC Outputs (bomA, 50V)     Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   Sound     HD 7.1 channel Audio   Battery state software readable		
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BIOS BIOS can be write protected   2 x Ethernet Gigabit LAN   LAN Full duplex operation   Wake-On-LAN capability   2 x C-Fast™ sockets   2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM   1 x eSATA front access   3 x RS232 Serial, 16550 compatible   2 x C-Talk/RS232   2 x RS232/TTL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x 12C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 CC Outputs (500mA, 50V)   Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) Battery state software readable		
BIOS can be write protected   2 x Ethernet Gigabit LAN   Full duplex operation   Wake-On-LAN capability   2 x C-Fast™ sockets   Storage 2 x C-Fast™ sockets   2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM   1 x eSATA front access   3 x RS232 Serial, 16550 compatible   2 x CCTalk/RS232   2 x RS232/HE   1 x RS232/HE   1 x VSB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1 x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 OC Outputs (500mA, 50V)   Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) Battery state software readable	BIOS	
LAN Full duplex operation   Wake-On-LAN capability   2 x C-Fast™ sockets   2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM   1 x eSATA front access   3 x RS232 Serial, 16550 compatible   2 x CTalk/RS232   2 x RS232/TTL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 CC Outputs (500mA, 50V)   Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) Battery state software readable		BIOS can be write protected
Wake-On-LAN capabilityStorage2 x C-Fast™ sockets2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM1 x eSATA front access3 x RS232 Serial, 16550 compatible2 x CTalk/RS2322 x RS232/TL1 x RS232/48514 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane) 2 x 12C, 1x SPI interfaces through backplane 24 channel LED drive outputBi-Directional, programmable GPI0 header for iButton, special purpose device or security module32 CC Outputs (500mA, 50V) Of which 6 I/0 ports can be configured as meter outputs with disconnect detectSoundHD 7.1 channel AudioSRAM (NVRAM)4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable		2 x Ethernet Gigabit LAN
Storage 2 x C-Fast™ sockets   2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM   1 x eSATA front access   3 x RS232 Serial, 16550 compatible   2 x CCTalk/RS232   2 x RS232/TTL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 DC Outputs (500mA, 50V)   Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) Battery state software readable	LAN	Full duplex operation
Storage2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA DOM1 x eSATA front access3 x RS232 Serial, 16550 compatible 2 x CCTalk/RS232 2 x RS232/TTLPorts3 x RS232 Serial, 16550 compatible 2 x CCTalk/RS232 2 x RS232/TTL1 x RS232/485 14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane) 2 x I2C, 1x SPI interfaces through backplane 24 channel LED drive outputiButton/GPI0Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module32 OC Outputs (500mA, 50V) Of which 6 I/0 ports can be configured as meter outputs with disconnect detectSoundHD 7.1 channel AudioSRAM (NVRAM)4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable		Wake-On-LAN capability
Storage DOM   1 x eSATA front access   3 x RS232 Serial, 16550 compatible   2 x CCTalk/RS232   2 x RS232/TTL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x   USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 ESD protected inputs   32 OC Outputs (500mA, 50V)   Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) Battery state software readable		2 x C-Fast™ sockets
DUM   1 x eSATA front access   3 x RS232 Serial, 16550 compatible   2 x CCTalk/RS232   2 x RS232/TL   1 x RS232/485   1 4 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x   USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton,   special purpose device or security module   32 CO Outputs (500mA, 50V)   Of which 6 I/0 ports can be configured as meter outputs   with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) Battery state software readable	Ctorago	2 x SATA 3 (up to 6Gb/s) headers for HDD, SSD or SATA
Ports 3 x RS232 Serial, 16550 compatible   2 x CCTalk/RS232   2 x RS232/TTL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x   USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 ESD protected inputs   32 OC Outputs (500mA, 50V)   Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) Battery state software readable	Sillaye	DOM
Ports 2 x CCTalk/RS232   2 x RS232/TTL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x   USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 ESD protected inputs   32 OC Outputs (500mA, 50V)   Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   Battery state software readable		1 x eSATA front access
Ports 2 x RS232/TTL   1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 ESD protected inputs   32 OC Outputs (500mA, 50V)   Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   Battery state software readable		3 x RS232 Serial, 16550 compatible
Ports 1 x RS232/485   14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x 12C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 ESD protected inputs   32 OC Outputs (500mA, 50V)   Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   Battery state software readable		2 x CCTalk/RS232
Ports 14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane) 2 x 12C, 1x SPI interfaces through backplane   24 channel LED drive output Bi-Directional, programmable GPI0 header for iButton, special purpose device or security module   32 ESD protected inputs 32 OC Outputs (500mA, 50V) Of which 6 I/0 ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) Battery state software readable		2 x RS232/TTL
14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x USB 2.0 on board headers, 7x USB 2.0 on backplane)   2 x I2C, 1x SPI interfaces through backplane   24 channel LED drive output   Bi-Directional, programmable GPIO header for iButton, special purpose device or security module   32 ESD protected inputs   32 OC Outputs (500mA, 50V)   Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) Battery state software readable	Porto	1 x RS232/485
2 x 12C, 1x SPI interfaces through backplane   24 channel LED drive output   iButton/GPIO Bi-Directional, programmable GPIO header for iButton, special purpose device or security module   32 ESD protected inputs 32 OC Outputs (500mA, 50V)   0f which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) 4096 KB fast SRAM (2 banks) on PCI bus   Battery state software readable	FUILS	14 x USB (2x USB 3.0 on front panel, 1x USB 3.0 + 4x
24 channel LED drive output   iButton/GPIO Bi-Directional, programmable GPIO header for iButton, special purpose device or security module   32 ESD protected inputs 32 OC Outputs (500mA, 50V)   0f which 6 I/O ports can be configured as meter outputs with disconnect detect Sound   SRAM (NVRAM) 4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable		USB 2.0 on board headers, 7x USB 2.0 on backplane)
iButton/GPIO   Bi-Directional, programmable GPIO header for iButton, special purpose device or security module     32 ESD protected inputs   32 OC Outputs (500mA, 50V)     0f which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound     SRAM (NVRAM)   4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable		2 x I2C, 1x SPI interfaces through backplane
Discrete I/O   special purpose device or security module     32 ESD protected inputs   32 OC Outputs (500mA, 50V)     Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Secure 4006 KB fast SRAM (2 banks) on PCI bus     SRAM (NVRAM)   Battery state software readable		24 channel LED drive output
Special purpose device or security module     32 ESD protected inputs     32 OC Outputs (500mA, 50V)     Of which 6 I/O ports can be configured as meter outputs with disconnect detect     Sound   HD 7.1 channel Audio     SRAM (NVRAM)   4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable	iButton/GPI0	Bi-Directional, programmable GPIO header for iButton,
Discrete I/O 32 OC Outputs (500mA, 50V)   Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) 4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable		special purpose device or security module
Discrete I/O Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) 4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable	Discrete I/O	32 ESD protected inputs
Of which 6 I/O ports can be configured as meter outputs with disconnect detect   Sound HD 7.1 channel Audio   SRAM (NVRAM) 4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable		32 OC Outputs (500mA, 50V)
Sound   HD 7.1 channel Audio     SRAM (NVRAM)   4096 KB fast SRAM (2 banks) on PCI bus Battery state software readable		
SRAM (NVRAM)   4096 KB fast SRAM (2 banks) on PCI bus     Battery state software readable   6000 kB fast SRAM (2 banks) on PCI bus		with disconnect detect
SRAM (NVRAM) Battery state software readable	Sound	HD 7.1 channel Audio
Battery state software readable	SRAM (NVRAM)	4096 KB fast SRAM (2 banks) on PCI bus
TPM TCPA/TPM 1.2 compliant security device on board.		Battery state software readable
	TPM	TCPA/TPM 1.2 compliant security device on board.

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# **Specifications Cont.**

Watchdog Timer	Programmable time-out
EEPROM	32kB user EEPROM (option for larger)
Asset Tag	Unique serial number devices on motherboard
Intrusion Detection	7+1 Intrusion detection input lines
	Operates with and without system active
	Logs date/time of last 254 events
	Logs system resets/brownouts as events
	EEPROM backup for 10 years retention
System Health Monitoring	Measurement of CPU core temp. With thermal trip PWM fan control for APU, MXM, system fans, and 2 other fans through backplane
Diagnostic LED display	Optional riser board provides : Dual 7- segment LED display for POST and diagnostic codes And 4 USB 2.0 Type A ports

# **Optional Accessories**

DPX C-series backplane	
Range of PCI-E MXM graphics cards	
POST Diagnostic LED display and USB riser board	
Compact Flash cards, SATA DOM, SSD storage devices	
iButtons®, iButton carrier	
System level enclosure and CPU cassette	

### **DPX C-series backplane board**



#### OEM Customization and Product Development

- Advantech-Innocore is part of 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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- All rights reserved. Advantech-Innocore, the Advantech-Innocore Logo, DPX, ConnectBus are trademarks of Advantech Co., Ltd. in the UK, US and other countries.
- All other trademarks are acknowledged and respected.

Power Fail Detect	External sensor input for advanced warning of AC power fail
Expansion	1) 2 x I2C, SPI
	2) PCI-Express x16 MXM format graphics card
Power	12V DC single input Intelligent power control CPU board Backplane "insertion-sense" and protection for accidental removal
Environment	Operating Temperature: 0 ~ 45° C Storage Temperature: -10 ~ 70° C
Approvals	EMC: CE, FCC Class A RoHS, WEEE
Dimensions (D x W)	Motherboard: 221 x 214 mm (8.7" x 8.4")

All product specifications are subject to change without notice .

#### **Benefits**

Best in class integrated and expandable graphics
Single integrated solution
Designed for the Gaming Industry
Serviceable CPU board and backplane
Small size
Low power
Long Lifecycle

# DPX C-series POST Diagnostic and USB Riser board



# System Level DPX-SC710 Product

The DPX-C710 is also available as a system level product with logic box and CPU cassette enclosures. See separate datasheet and product information

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