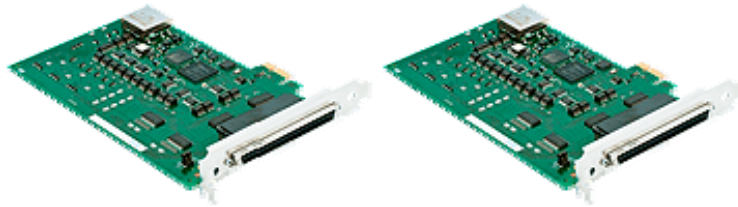


PCI Express Interface Modules Digital I/O



Overview

- **PEX-H2230W**
Isolated 64-Channel +5 Vdc to +36 Vdc Digital Input (On-Board Isolated Power Supply)
- **PEX-H2330W**
Isolated 64-Channel +5 Vdc to +36 Vdc/100 mA Digital Output
- **PEX-H2826W**
Isolated 32-Channel +5 Vdc to +36 Vdc Digital Input and 32-Channel +5 Vdc to +36 Vdc/100 mA Digital Output (On-Board Isolated Power Supply)
- **PEX-H2994W**
Isolated 64-Channel +5 Vdc to +36 Vdc/100 mA Digital Input/Output (On-Board Isolated Power Supply)

Features

- **Wide Range I/O voltage**
- **Photo-isolated (On-board isolated power supply)**
- **Photo-isolated high-voltage input (source type)** ^{* Note: not for PEX-H2330W}
- **High-current drive open-collector output (sink type)** ^{* Note: not for PEX-H2230W}
- **Long Distance Signal Transmission**

Base Specifications

Model type	PEX-H2230W	PEX-H2330W	PEX-H2826W	PEX-H2994W
Bus requirements	PCI Express™ Base Specification Rev. 1.0a x1			
Number of slots	1 slot			
Memory size	8 KB			
I/O ports	32 ports	32 ports	16 ports	16 ports
Dimensions	MD1: 165.00 (D) x 106.65 (H) [mm]			
Weight	115 g	115 g	115 g	120 g
Power consumption	+3.3 Vdc (+/-0.3 V):			
All input/output and control signals inactive	0.35 A (typ.)	0.35 A (typ.)	0.35 A (typ.)	0.35 A (typ.)
All input/output and control signals active	0.9 A (typ.)	1.1 A (typ.)	1.0 A (typ.)	1.7 A (typ.)
Environmental conditions	Operating temperature: 0 deg C to 50 deg C Relative humidity: 20% to 90% (non-condensing)			
Connectors	CN1: 96-pin half-pitch male connector			
On-board connector	PCR-E96LMDC-ST+ (Honda Tsusin Kogyo Co., Ltd) or equivalent			
Acceptable cable connector	PCR-E96DSFA+ (Honda Tsusin Kogyo Co., Ltd) or equivalent			
Isolation	Photo-isolated (On-board isolated power supply)			
Interrupt sources	6 sources	5 sources	6 sources	6 sources
MTBF	205,393 hrs	242,756 hrs	223,882 hrs	154,096 hrs
Signal Transmission	Approx. 50 meters (varies on wiring conditions)			
External Signals	PULS.OUT1, PULS.OUT2 (Digital output) x 2 IR.IN1, IR.IN2 (Digital Input) x 2 RSTOUT/P.OUT (rest signal output or power supply status signal) x 1 RSTIN (external reset input signal) x 1			

Digital Input Specifications

Model type	PEX-H2230W	PEX-H2826W	PEX-H2994W
Input signals	IN1 to IN64	IN1 to IN32	IN1 to IN64
Input configurations	Photo-isolated high-voltage input (source type)		
Input signal voltage range	+5 Vdc to +36 Vdc (+40 Vdc (max.))		
Input current	4.7 mA		
Input response time	60 µs (typ.)		
Input control signals	STB1: Input-Data Strobe Signal (in) x 1 ACK1: Input-Data Acknowledgement Signal (out) x 1		

Digital Output Specifications

Model type	PEX-H2330W	PEX-H2826W	PEX-H2994W
Output signals	OUT1 to OUT64	OUT1 to OUT32	OUT1 to OUT64
Output configurations	High-current drive open-collector output (sink type)		
Output signal voltage range	+5 Vdc to +36 Vdc (+40 Vdc (max.))		
Output current	100 mA		
Output response time	150 µs (typ.)		
Output control signals	STB2: Output-Data Strobe Signal (in) x 1 ACK2: Output-Data Acknowledgement Signal (out) x 1		



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All product specifications are subject to change without prior notice.

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