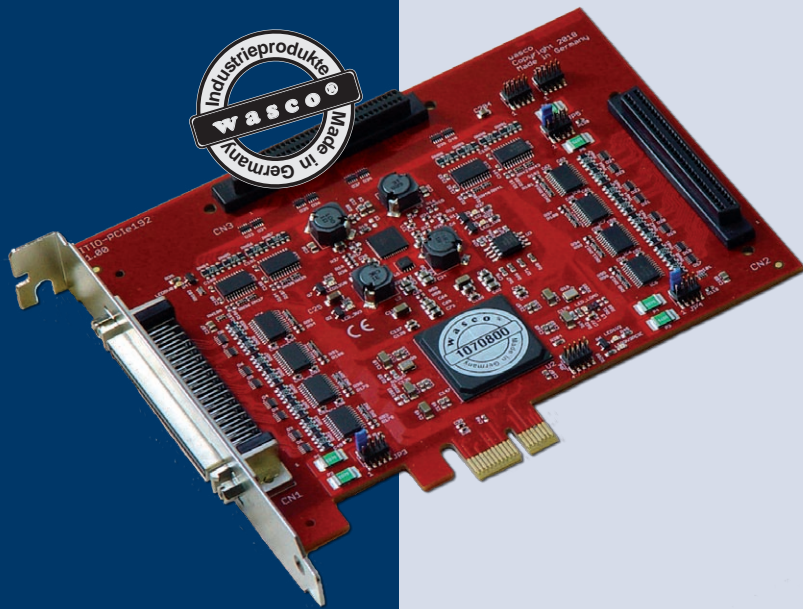


WITIO-PCIe192_{STANDARD}

Digital PCIe I/O Board with 192 Inputs/Outputs



192 inputs / outputs

level 3,3V/5V adjustable

programmable in 8-bit groups to be input or output

32-bit access

board identification

The **WITIO-PCIe192_{STANDARD}** features 192 digital inputs/outputs adjustable to output levels of 3,3V or 5V by jumpers. The board is suitable for input and output applications not requiring galvanic isolation. The 192 input/output channels are programmable in groups of 8 channels each to be input or output. The internal data bus of this board is organized 32 bit, each read or write access to the inputs and outputs is implemented as a 32-bit access. One 68-pin SCSI-II socket at the board's slot plate and two 68-pin SCSI-II sockets providing each 64 channels enable connection to the peripherals. The pin assignment of all connectors of the **WITIO-PCI192_{STANDARD}** are in compatibility mode identical to the assignments of PCI-bus cards **WITIO-PCI32_{STANDARD}** and **WITIO-PCI64_{EXTENDED}**, a switch to PCIe is thus easily feasible .

SPECIFICATIONS

Inputs / Outputs

Channels: 192
Output levels 3.3V/5V, adjustable by jumpers
Output current: 5 mA per channel
programmable in 8-bit groups to be input or output

Connection plug

3*68-pin SCSI-II socket

Bus system

32-Bit PCIe Bus
(internal data access 32 bit)

Dimensions of the Board

137 mm x 111 mm (l x h)

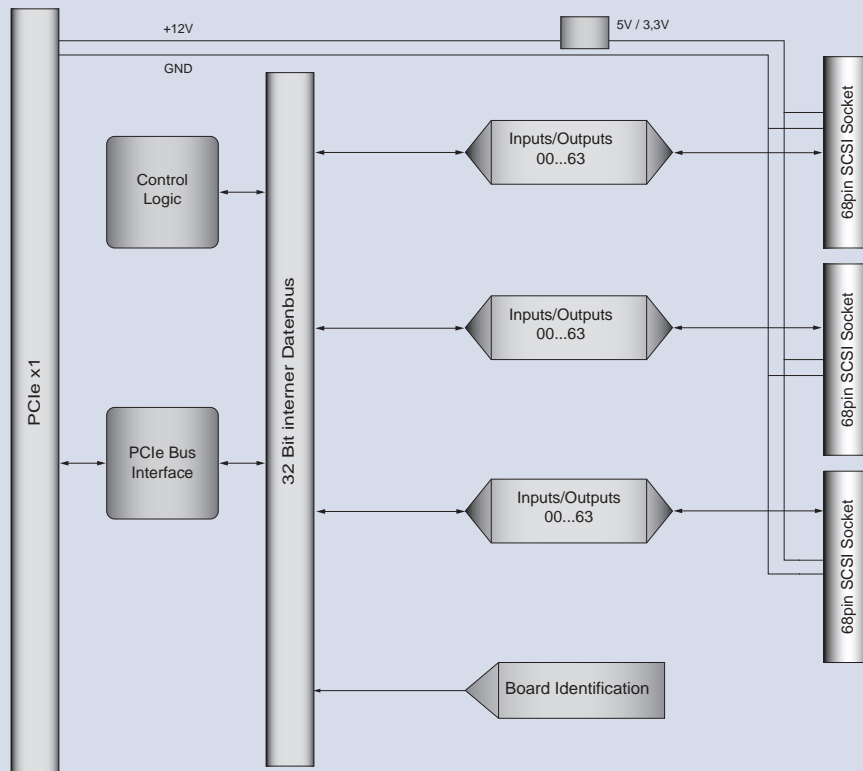
Other

Safety and Control LEDs indicating power supply

APPLICATIONS

On/off events
Detection of contact states
Binary data acquisition
Process control
Data acquisition of BCD coded instruments

BLOCK DIAGRAM



PIN ASSIGNMENT

64 digital channels, internal power supply (3,3V or 5V) and the PC's ground are led to the 68pin SCSI socket CN1 mounted to the boards edge slot bracket. The remaining digital inputs and outputs are fed to the two 68pin SCSI sockets CN2 and CN3, 64 channels each.

SCSI-II Socket CN1

CN1 GND	68	□	34	CN1 VCC
CN1 GND	67	□	33	CN1 VCC
CN1 PH7	66	□	32	CN1 PH6
CN1 PH5	65	□	31	CN1 PH4
CN1 PH3	64	□	30	CN1 PH2
CN1 PH1	63	□	29	CN1 PH0
CN1 PG7	62	□	28	CN1 PG6
CN1 PG5	61	□	27	CN1 PG4
CN1 PG3	60	□	26	CN1 PG2
CN1 PG1	59	□	25	CN1 PG0
CN1 PF7	58	□	24	CN1 PF6
CN1 PF5	57	□	23	CN1 PF4
CN1 PF3	56	□	22	CN1 PF2
CN1 PF1	55	□	21	CN1 PF0
CN1 PE7	54	□	20	CN1 PE6
CN1 PE5	53	□	19	CN1 PE4
CN1 PE3	52	□	18	CN1 PE2
CN1 PE1	51	□	17	CN1 PE0
CN1 PD7	50	□	16	CN1 PD6
CN1 PD5	49	□	15	CN1 PD4
CN1 PD3	48	□	14	CN1 PD2
CN1 PD1	47	□	13	CN1 PD0
CN1 PC7	46	□	12	CN1 PC6
CN1 PC5	45	□	11	CN1 PC4
CN1 PC3	44	□	10	CN1 PC2
CN1 PC1	43	□	9	CN1 PC0
CN1 PB7	42	□	8	CN1 PB6
CN1 PB5	41	□	7	CN1 PB4
CN1 PB3	40	□	6	CN1 PB2
CN1 PB1	39	□	5	CN1 PB0
CN1 PA7	38	□	4	CN1 PA6
CN1 PA5	37	□	3	CN1 PA4
CN1 PA3	36	□	2	CN1 PA2
CN1 PA1	35	□	1	CN1 PA0

SCSI-II Socket CN2

CN2 GND	68	□	34	CN2 VCC
CN2 GND	67	□	33	CN2 VCC
CN2 PH7	66	□	32	CN2 PH6
CN2 PH5	65	□	31	CN2 PH4
CN2 PH3	64	□	30	CN2 PH2
CN2 PH1	63	□	29	CN2 PH0
CN2 PG7	62	□	28	CN2 PG6
CN2 PG5	61	□	27	CN2 PG4
CN2 PG3	60	□	26	CN2 PG2
CN2 PG1	59	□	25	CN2 PG0
CN2 PF7	58	□	24	CN2 PF6
CN2 PF5	57	□	23	CN2 PF4
CN2 PF3	56	□	22	CN2 PF2
CN2 PF1	55	□	21	CN2 PF0
CN2 PE7	54	□	20	CN2 PE6
CN2 PE5	53	□	19	CN2 PE4
CN2 PE3	52	□	18	CN2 PE2
CN2 PE1	51	□	17	CN2 PE0
CN2 PD7	50	□	16	CN2 PD6
CN2 PD5	49	□	15	CN2 PD4
CN2 PD3	48	□	14	CN2 PD2
CN2 PD1	47	□	13	CN2 PD0
CN2 PC7	46	□	12	CN2 PC6
CN2 PC5	45	□	11	CN2 PC4
CN2 PC3	44	□	10	CN2 PC2
CN2 PC1	43	□	9	CN2 PC0
CN2 PB7	42	□	8	CN2 PB6
CN2 PB5	41	□	7	CN2 PB4
CN2 PB3	40	□	6	CN2 PB2
CN2 PB1	39	□	5	CN2 PB0
CN2 PA7	38	□	4	CN2 PA6
CN2 PA5	37	□	3	CN2 PA4
CN2 PA3	36	□	2	CN2 PA2
CN2 PA1	35	□	1	CN2 PA0

SCSI-II Socket CN3

CN3 GND	68	□	34	CN3 VCC
CN3 GND	67	□	33	CN3 VCC
CN3 PH7	66	□	32	CN3 PH6
CN3 PH5	65	□	31	CN3 PH4
CN3 PH3	64	□	30	CN3 PH2
CN3 PH1	63	□	29	CN3 PH0
CN3 PG7	62	□	28	CN3 PG6
CN3 PG5	61	□	27	CN3 PG4
CN3 PG3	60	□	26	CN3 PG2
CN3 PG1	59	□	25	CN3 PG0
CN3 PF7	58	□	24	CN3 PF6
CN3 PF5	57	□	23	CN3 PF4
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CN3 PD3	48	□	14	CN3 PD2
CN3 PD1	47	□	13	CN3 PD0
CN3 PC7	46	□	12	CN3 PC6
CN3 PC5	45	□	11	CN3 PC4
CN3 PC3	44	□	10	CN3 PC2
CN3 PC1	43	□	9	CN3 PC0
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CN3 PB3	40	□	6	CN3 PB2
CN3 PB1	39	□	5	CN3 PB0
CN3 PA7	38	□	4	CN3 PA6
CN3 PA5	37	□	3	CN3 PA4
CN3 PA3	36	□	2	CN3 PA2
CN3 PA1	35	□	1	CN3 PA0

PROGRAMMING

Windows®:

Driver and program examples for VB.NET, C++.NET, C#.NET

Linux®:

Driver and program examples for C and C++ (see manual)

on enclosed CD or download at:

www.messcomp.com, Section Support - Software

SCOPE OF DELIVERY

Interface Card WITIO-PCIe192STANDARD

German Manual (in English on request)

Driver and program examples on CD

ORDER INFORMATION

WITIO-PCIe192STANDARD EDP-No. A-864600

I/O Card

SUITABLE ACCESSORIES

DS68R500DS68

EDP No A-492800

Special twisted and shielded connection cable (approx. 5 m) with 68-pin SCSI-II plugs on both sides to connect KMDB-68 or any other KM modules



DS68R200DS68

EDP No A-492400

Special twisted and shielded connection cable (approx. 2 m) with 68-pin SCSI-II plugs on both sides to connect KMDB-68 or any other KM modules



DS68R100DS68

EDP No A-492200

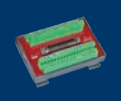
Special twisted and shielded connection cable (approx. 1 m) with 68-pin SCSI-II plugs on both sides to connect KMDB-68 or any other KM modules



KMDB-68

EDP No A-494800

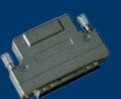
Terminal module with a 68-pin screw terminal block to connect to a 68-pin SCSI-II socket



DSS68HLK

EDP No A-555340

68-pin SCSI-II socket with hood for customized solder connection of round cables. The casing is made of die-cast zinc and provides an 180° output with strain relief for the cable routings.



For more detailed information about the here listed and other accessories we refer to the corresponding data sheets

Product and company names mentioned may be trademarks of their respective owners