

DATA ACQUISITION BOARDS SUPPORTED BY RAPID CONTROL PROTOTYPING (RCP) TOOLKIT 2013

Card Name	Number of Analog Input Channels		Analog Input Resolution (Bit)	Number of Analog Output Channels	Analog Output Resolution (Bit)	Number of Digital I/O Channels			Number of Encoder Input Channels	Encoder Count Value (Bit)	Number of PWM Output Channels	PWM Resolution (Bit)
	Single-Ended	Differential				Bidirectional	Input-Only	Output-Only				
QUANSER BOARDS												
Q1-cRIO Single Configuration	9	0	1x 16-bit, 8x 12-bit	5	16	8	0	0	2	24	0	N/A
Q1-cRIO Double Configuration	10	0	2x 16-bit, 8x 12-bit	2	16	8	0	0	4	24	0	N/A
Q1-cRIO Triple Configuration	3	0	16	3	16	8	0	0	6	24	0	N/A
Q1-cRIO Quadruple Configuration	4	0	16	4	16	0	0	0	8	24	0	N/A
QPID	8	8	16	8	16	56	0	0	8 quadrature with non-quadrature encoder velocities	24	8	16
QPIDe	8	8	16	8	16	56	0	0	8 quadrature with full quadrature encoder velocities	24	8	16
QPID-PXI	8	8	16	8	16	56	0	0	8 quadrature with full quadrature encoder velocities	24	8	16
Q8-USB	8	0	16	8	16	0	8	8	8 quadrature with encoder velocities	24	8	16
Q2-USB	2	0	12	2	12	8	0	0	2 quadrature	16	2	16
Q4	4	0	14	4	12	16	0	0	4	24	2	12
Q8	8	0	14	8	12	32	0	0	8	24	2	12
NATIONAL INSTRUMENTS BOARDS												
myDAQ	2	1	16	2	16	8	0	0	1	32	0	N/A
ELVIS II	16	8	16	2	16	39	0	0	2	32	2	32
PCI-6251	16	8	16	2	16	24	0	0	2	32	2	32
PCIe-6251	16	8	16	2	16	24	0	0	2	32	2	32
PXI-6251	16	8	16	2	16	24	0	0	2	32	2	32
PCI-6255	80	40	16	2	16	24	0	0	2	32	2	32
PXI-6255	80	40	16	2	16	24	0	0	2	32	2	32
PCI-6259	32	16	16	4	16	48	0	0	2	32	2	32
PCIe-6259	32	16	16	4	16	48	0	0	2	32	2	32
PXI-6259	32	16	16	4	16	48	0	0	2	32	2	32
PCIe-6351	16	8	16	2	16	24	0	0	4	32	4	32
PCI-6722	0	0	N/A	8	13	8	0	0	2	24	2	24
PXI-6722	0	0	N/A	8	13	8	0	0	2	24	2	24
PCI-6723	0	0	N/A	32	13	8	0	0	2	4	2	24
PXI-6723	0	0	N/A	32	13	8	0	0	2	4	2	24