

| Device 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 DAQ DEVICES | | | | | | | | | | | | |
| 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 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 |
| NATIONAL INSTRUMENTS DAQ DEVICES | | | | | | | | | | | | |
| DAQCard-6024e | 16 | 8 | 12 | 2 | 12 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| DAQCard-6062e | 16 | 8 | 12 | 2 | 12 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| DAQCard-6715 | 0 | 0 | | 8 | 12 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6014 | 16 | 8 | 16 | 2 | 16 | 0 | 8 | 8 | 2 | 32 | 2 | 32 |
| PCI-6023e | 16 | 8 | 12 | 0 | 12 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6024e | 16 | 8 | 12 | 2 | 12 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6025e | 16 | 8 | 12 | 2 | 12 | 32 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6032e | 16 | 8 | 16 | 0 | 16 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6034e | 16 | 8 | 16 | 0 | 16 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6035e | 16 | 8 | 16 | 2 | 16 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6036e | 16 | 8 | 16 | 2 | 16 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6040e | 16 | 8 | 12 | 2 | 12 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6052e | 16 | 8 | 16 | 2 | 16 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6220 | 16 | 8 | 16 | 0 | 16 | 24 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-6221 | 16 | 8 | 16 | 2 | 16 | 24 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-6221 [37 pin] | 16 | 8 | 16 | 2 | 16 | 10 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-6224 | 32 | 16 | 16 | 0 | 16 | 48 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-6225 | 80 | 40 | 16 | 2 | 16 | 24 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-6229 | 32 | 16 | 16 | 4 | 16 | 48 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-6230 | 8 | 4 | 16 | 4 | 16 | 0 | 6 | 4 | 2 | 32 | 2 | 32 |
| PCI-6232 | 16 | 8 | 16 | 2 | 16 | 0 | 6 | 4 | 2 | 32 | 2 | 32 |
| PCI-6233 | 16 | 8 | 16 | 2 | 16 | 0 | 6 | 4 | 2 | 32 | 2 | 32 |
| PCI-6236 | 0 | 4 | 16 | 4 | 16 | 0 | 6 | 4 | 2 | 32 | 2 | 32 |
| PCI-6238 | 0 | 8 | 16 | 2 | 16 | 0 | 6 | 4 | 2 | 32 | 2 | 32 |
| PCI-6239 | 0 | 8 | 16 | 2 | 16 | 0 | 6 | 4 | 2 | 32 | 2 | 32 |
| PCI-6250 | 16 | 8 | 16 | 0 | 16 | 24 | 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 |
| PCI-6254 | 32 | 16 | 16 | 0 | 16 | 48 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-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 |
| PCI-6280 | 16 | 8 | 18 | 0 | 18 | 24 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-6281 | 16 | 8 | 18 | 2 | 18 | 24 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-6284 | 32 | 16 | 18 | 0 | 18 | 48 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCI-6289 | 32 | 16 | 18 | 4 | 18 | 48 | 0 | 0 | 2 | 32 | 2 | 32 |
| PCIe-6321 | 16 | 8 | 16 | 2 | 16 | 8 | 8 | 8 | 4 | 32 | 4 | 32 |
| PCIe-6341 | 16 | 8 | 16 | 2 | 16 | 8 | 8 | 8 | 4 | 32 | 4 | 32 |
| PCIe-6351 | 16 | 8 | 16 | 2 | 16 | 8 | 8 | 8 | 4 | 32 | 4 | 32 |
| PCIe-6353 | 32 | 16 | 16 | 4 | 16 | 32 | 8 | 8 | 4 | 32 | 4 | 32 |
| PCI-6711 | 0 | 0 | N/A | 4 | 12 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6713 | 0 | 0 | N/A | 8 | 12 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-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 |
| PCI-6731 | 0 | 0 | N/A | 4 | 16 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| PCI-6733 | 0 | 0 | N/A | 8 | 16 | 8 | 0 | 0 | 2 | 24 | 2 | 24 |
| USB-6211 | 16 | 8 | 16 | 2 | 16 | 0 | 4 | 4 | 2 | 32 | 2 | 32 |
| USB-6215 | 16 | 8 | 16 | 2 | 16 | 0 | 4 | 4 | 2 | 32 | 2 | 32 |
| USB-6251 | 16 | 8 | 16 | 2 | 16 | 24 | 0 | 0 | 2 | 32 | 2 | 32 |