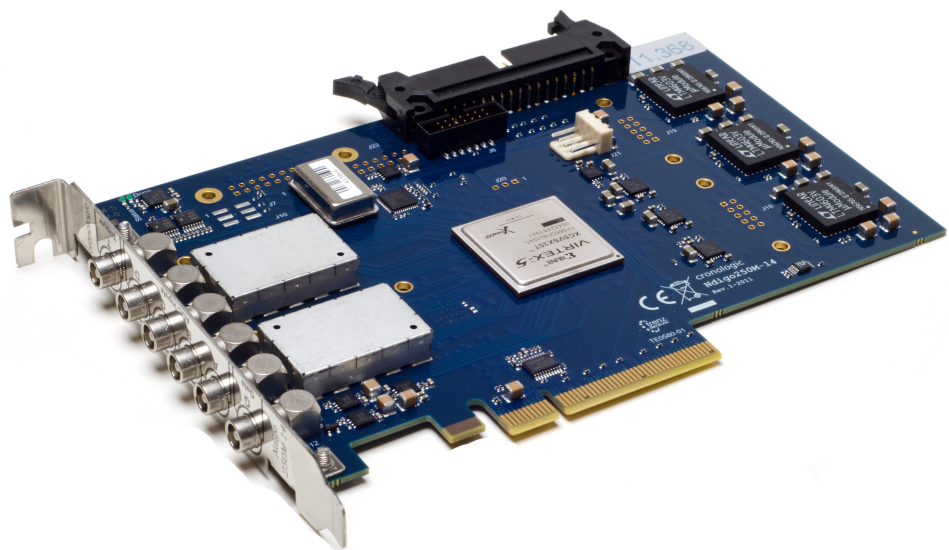


# ***Ndigo125M-14 highres ADC***



The Ndigo125M-14 is a high resolution x8 PCIe analog to digital converter operating at a sample rate of 125 Ms/s and a resolution of 14 bits. It supports onboard zero suppression for pulse extraction on the input data stream. Two channels can be streamed at the full sample rate into the PC memory.

### **Facts**

|                            |  |
|----------------------------|--|
| Channels                   | 4 high resolution DC coupled ADC<br>2 low resolution gating channels |
| ADC channel range          | $\pm 0.5\text{ V}$   |
| ADC channel baseline shift | -0.4 V to + 0.5 V  |
| Samplerate                 | 125 Ms/s   |
| ADC channel resolution     | 14 bits  |
| Connectors                 | 6x LEMO 00   |
| Throughput                 | 1400 Mbyte/s   |
| Timebase                   | 50 ppb onboard or external 10 Mhz clock                              |
| Formfactor                 | PCIe x8, bus master  |