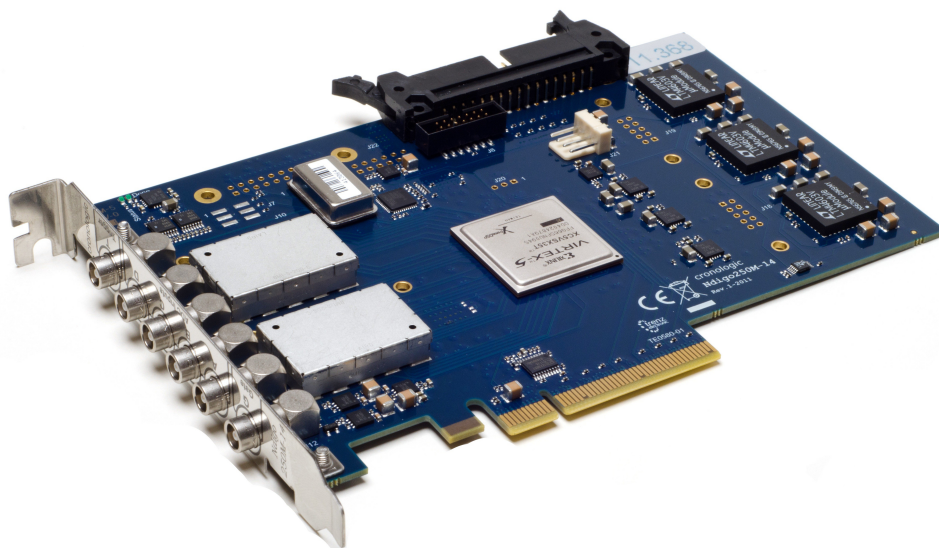


# Ndigo 250M-14 *highres ADC*



The Ndigo 250M-14 is a high resolution x8 PCIe analog to digital converter operating at a sample rate of 250 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 1 high resolution AC coupled TDC 1 low resolution gating channel
ADC channel range	$\pm 0.5$ V
ADC channel baseline shift	-0.4 V to + 0.5 V
Samplerate	250 Ms/s
ADC channel resolution	14 bits
TDC channel timing resolution	40 ps
Connectors	6x LEMO 00
Throughput	1400 Mbyte/s
Timebase	50 ppb onboard or external 10 Mhz clock
Formfactor	PCIe 1.0 8x, bus master