

# Ndigo 5G-8 *highspeed ADC*



The Ndigo 5G-8 is a highspeed x4 PCIe analog to digital converter operating at a maximum sample rate of 5 Gs/s and a resolution of 8 bits. It supports onboard zero supression for pulse extraction of the input data stream.

## Facts

Channels	4 high resolution AC coupled ADC 1 high resolution AC coupled TDC 1 low resolution gating channel
ADC channel range	$\pm 0.25V$
ADC channel baseline shift	$\pm 0.25V$
Samplerates 1 channel	5 Gs/s
4 channels	1.25 Gs/s
ADC channel resolution	8 bits
TDC channel timing resolution	40 ps
Connectors	6x LEMO 00
Throughput	800 Mbyte/s
Timebase	50 ppb onboard or external 10 Mhz clock
Formfactor	PCIe 1.0 4x, bus master