

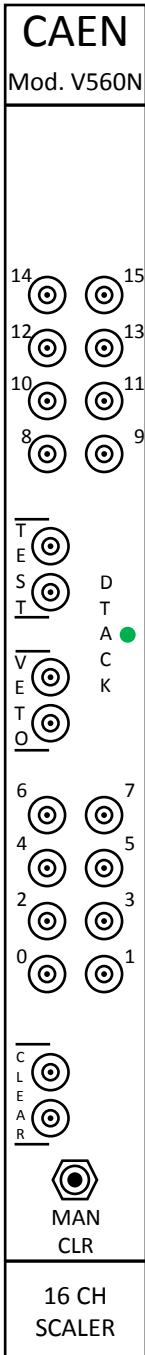
PCI to VME fiber bridge

CAEN V560N 16 channel scaler

CAEN V785N 16 channel ADC

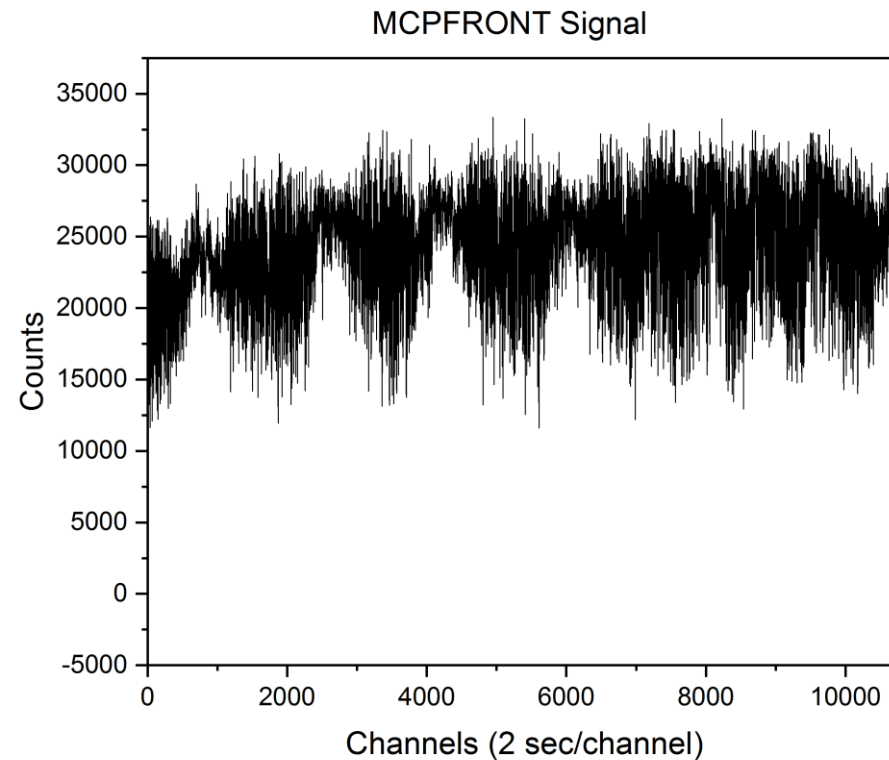
CAEN V1290 16 channel TDC

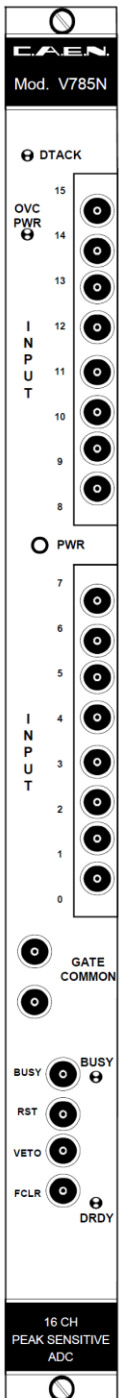
Slot number is **not** critical.
Traditionally, Slot 2: ADC,
Slot 3:Scaler, Slot 4:TDC



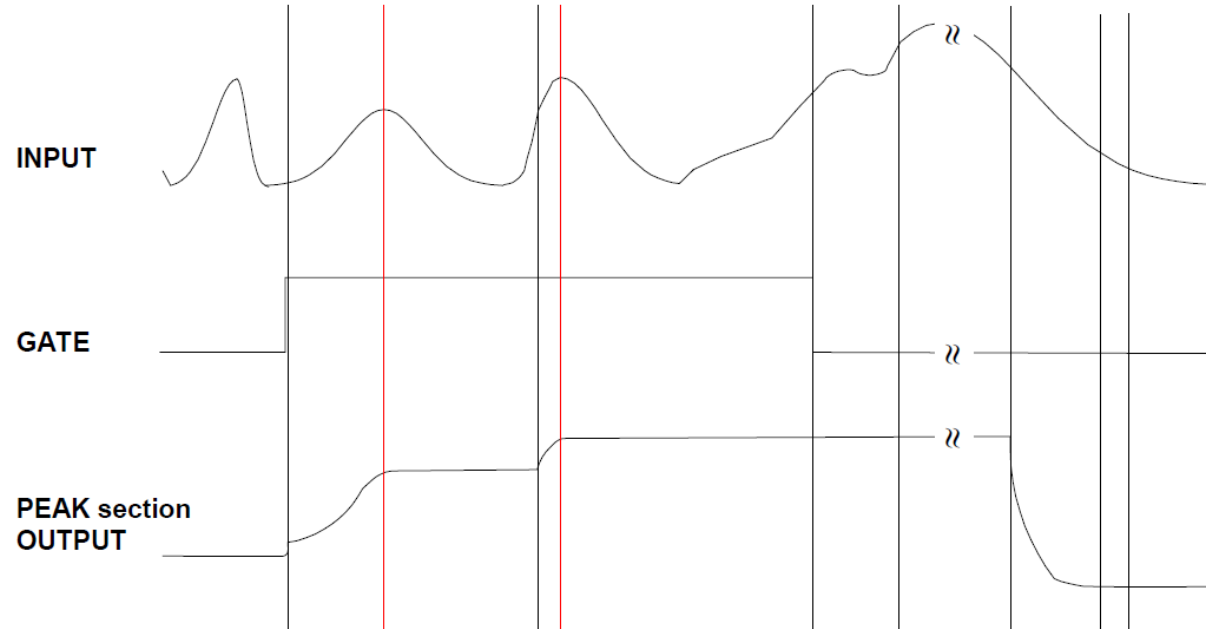
CAEN V560N 16 Channel 32-bit Scaler

- Negative NIM inputs (-800 mV)
- 32 bit word for each input, maximum of 4,294,967,295 counts
- All scaler channels are read and cleared every n seconds, usually n=2
- Scalers can be used, sometimes with voltage-to-frequency converters, to produce “strip charts”

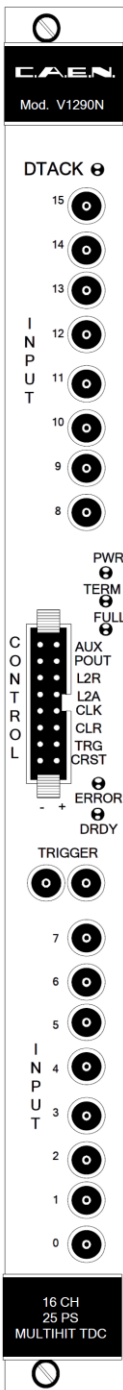




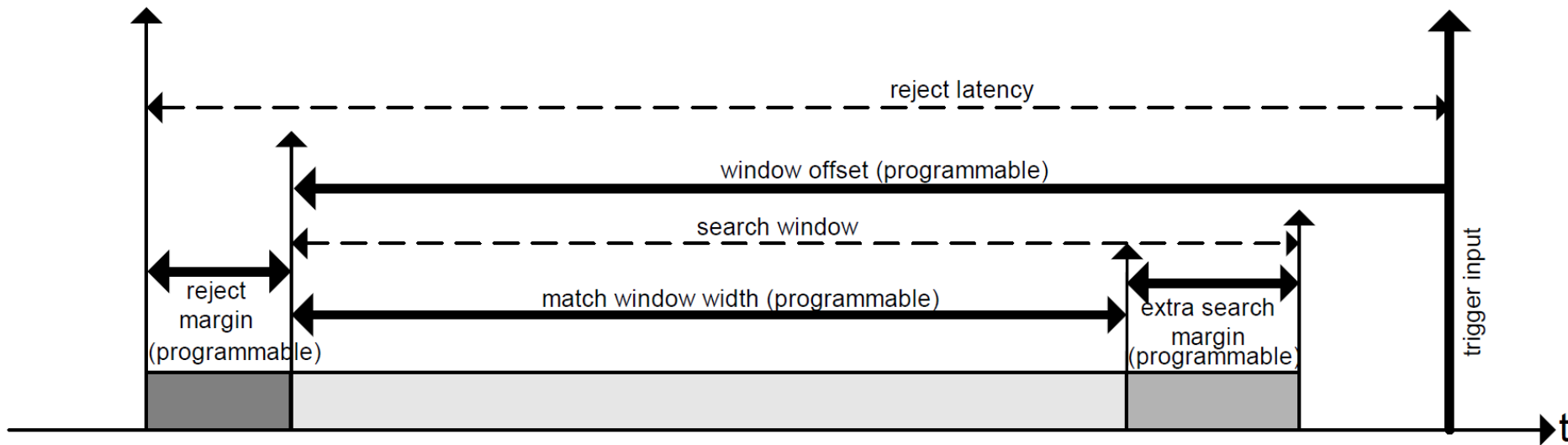
CAEN V785N 16 Channel ADC



- Gate Common signal negative NIM (-800 mV)
- 16 inputs, 0-4 V unipolar signals
- 1 k Ω input impedance, > 50 nsec rise time
- 4096 channels for the full 4 V range, 2.8 μ sec conversion time



CAEN V1290N Multi-hit 16 Channel TDC



- Negative NIM signals (-800 mV)
- 1 channel = 24.414 psec
- Time is difference between all other inputs and input 0
- Up to 16 hits/input
- Search window width settable in software, common stop