

Date	2016/12/22	SR#	1-2748322111
Category	■FAQ □SOP	Related OS	N/A
Abstract	IAG_FAQ How to modify the sampling rate in ADAM 4118?		
Keyword	Sampling Rate, ADAM-4118, High speed, 10ms		
Related Product	ADAM-4118		

■ Problem Description:

ADAM 4118 is a robust Thermocouple input module. There are two sampling rate supported in ADAM 4118, one is **10 samples/sec** and the other is **100 samples/sec**. This document explains a common question of how to modify the sampling rate in ADAM 4118.

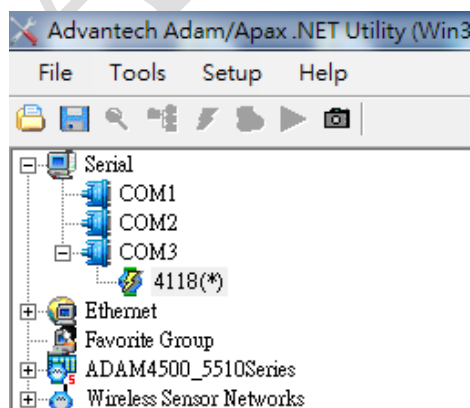
■ Brief Solution - Step by Step:

As described in datasheet, user can selected the sampling rate by Adam/APAX. Net Utility.

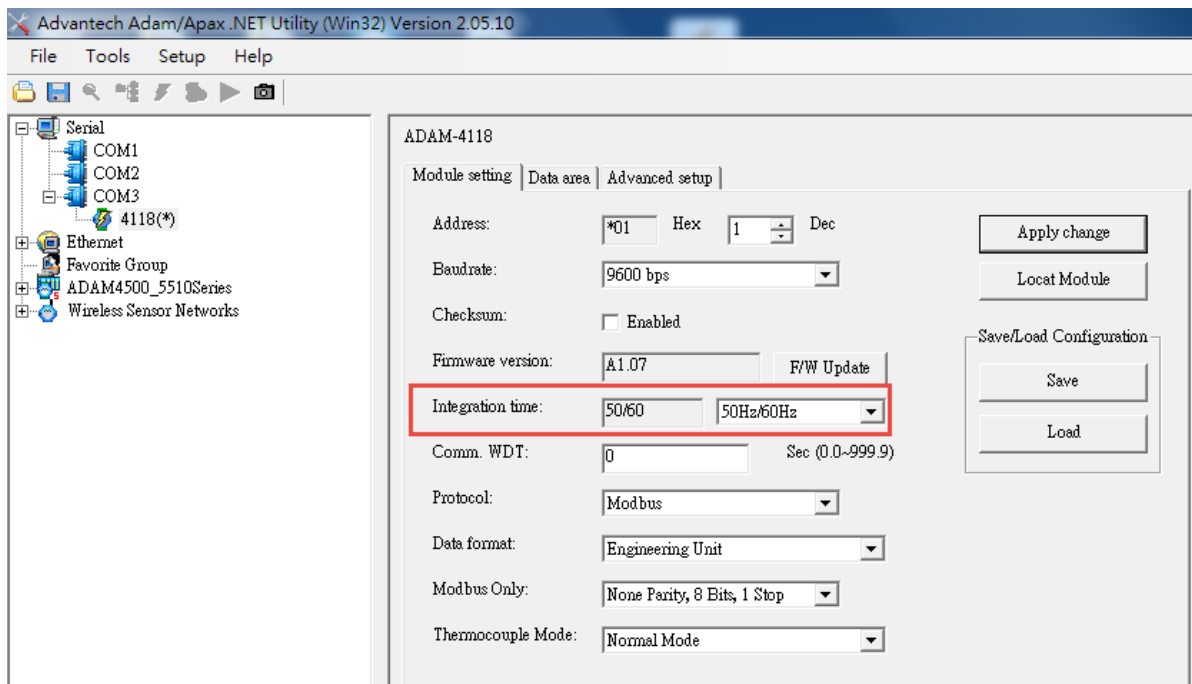
■ Resolution	16-bit
■ Sampling Rate	10/100 samples/sec (selected by Utility)
■ CMR @ 50/60 Hz	92 dB
■ NMR @ 50/60 Hz	60 dB
■ Overvoltage Protection	±60 V _{OC}
■ High Common Mode	200 V _{OC}
■ Span Drift	±25 ppm/°C (Typical)
■ Zero Drift	±6µV/°C
■ Built-in TVS/ESD Protection	
■ Burn-out Detection	

Below is the brief step of how to modify the sampling rate by using Utility.

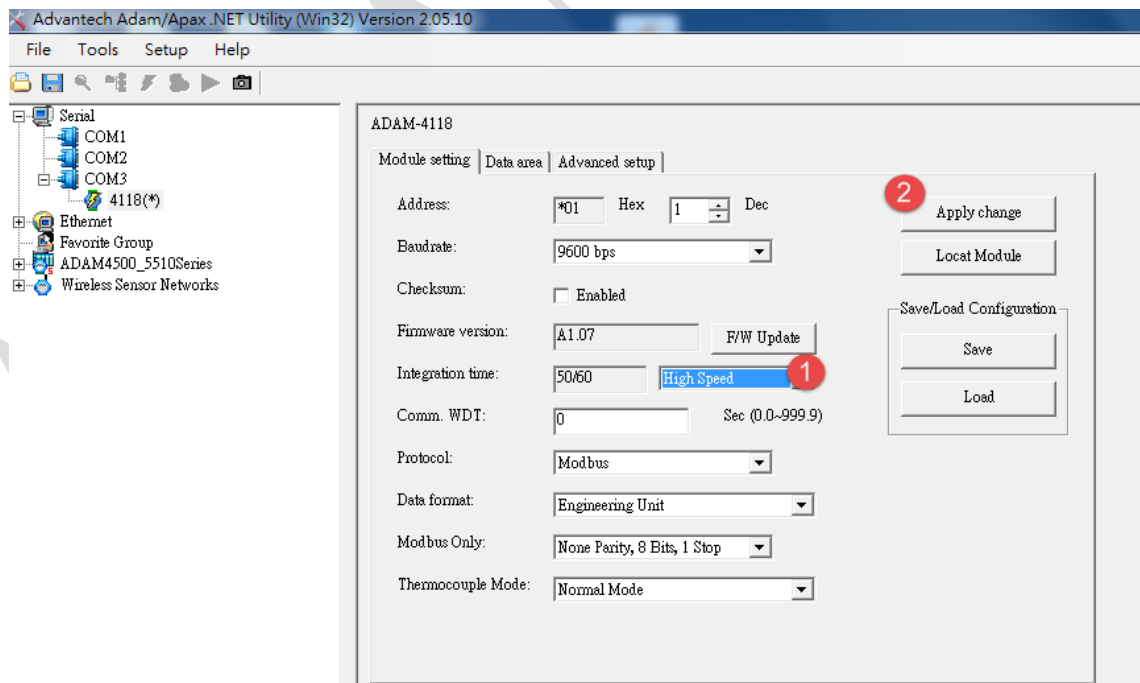
1. Set ADAM4118 to initial mode



2. In module setting page, you will see the integration time shows 50Hz/60Hz, which means the sampling rate is the default value 10 samples/sec.



3. In integration time column, Click high speed option and apply change as below screenshot



- After apply change finished, you will see 10ms, High speed in Integration time column.

