

Date	2016/12/22	SR#	1-2748322111
Category	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> 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.

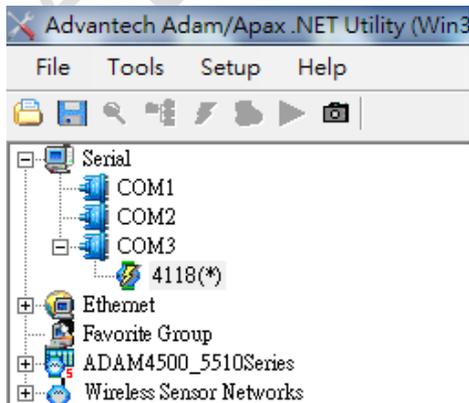
■ **Brief Solution - Step by Step:**

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

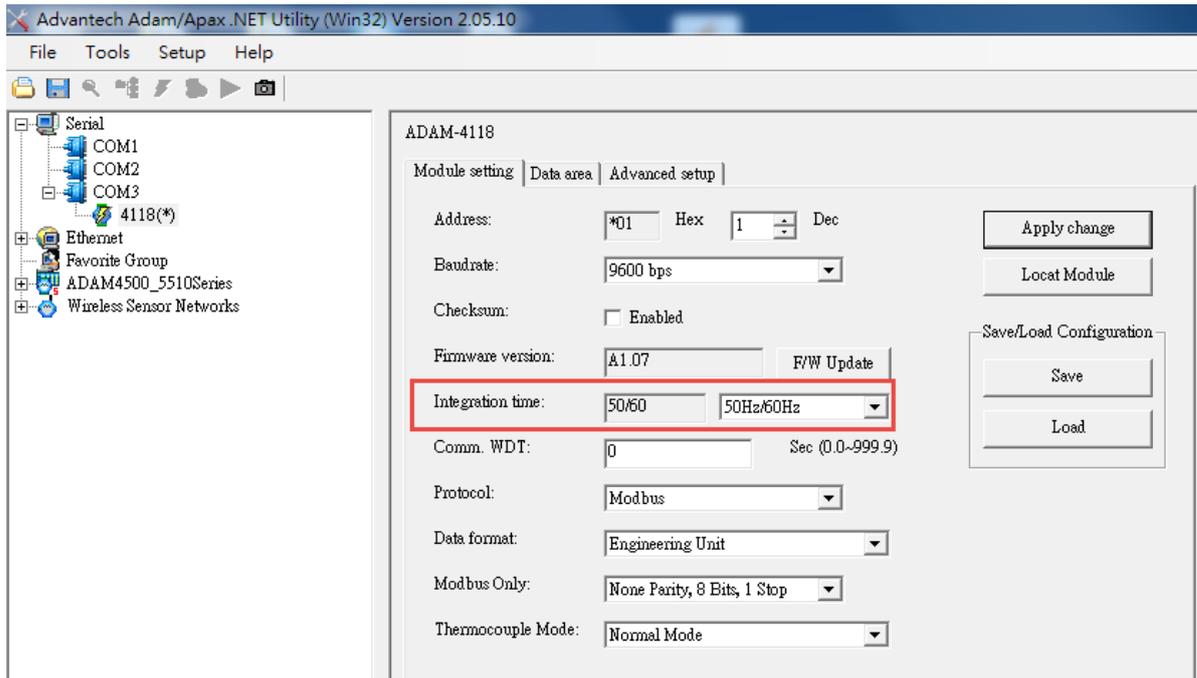
- Resolution 16-bit
- **Sampling Rate 10/100 samples/sec (selected by Utility)**
- CMR @ 50/60 Hz 92 dB
- NMR @ 50/60 Hz 60 dB
- Overvoltage Protection ±60 V_{OC}
- High Common Mode 200 V_{OC}
- Span Drift ±25 ppm/°C (Typical)
- Zero Drift ±6µV/°C
- Built-in TVS/ESD Protection
- Burn-out Detection

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

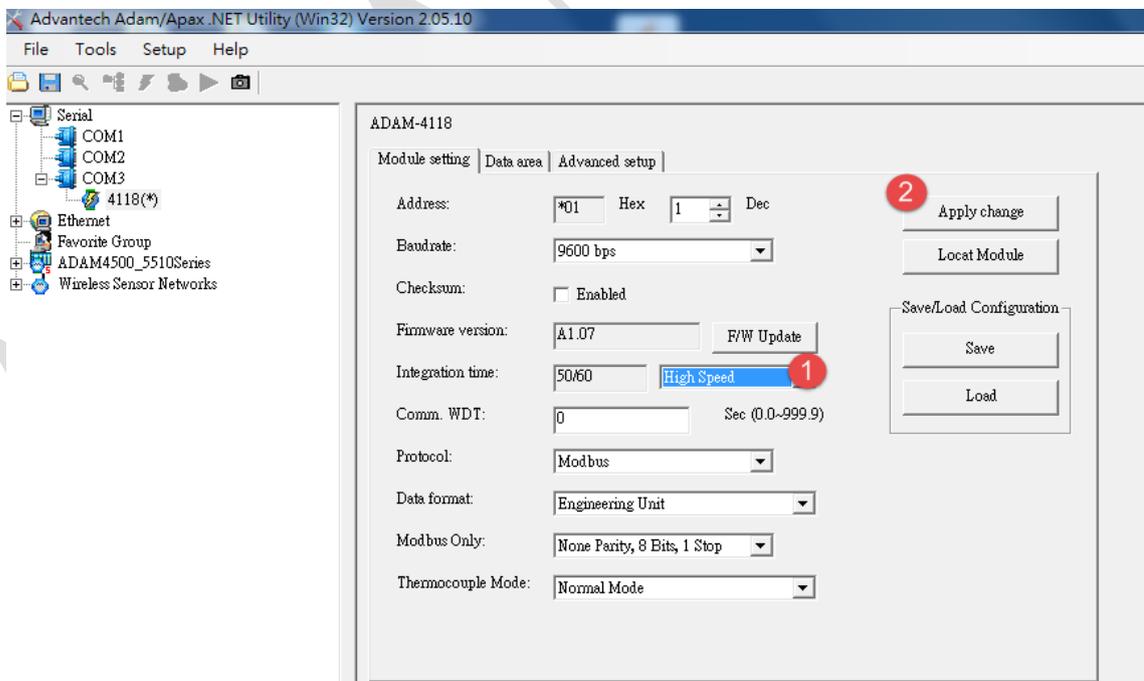
1. Set ADAM4118 to initial mode



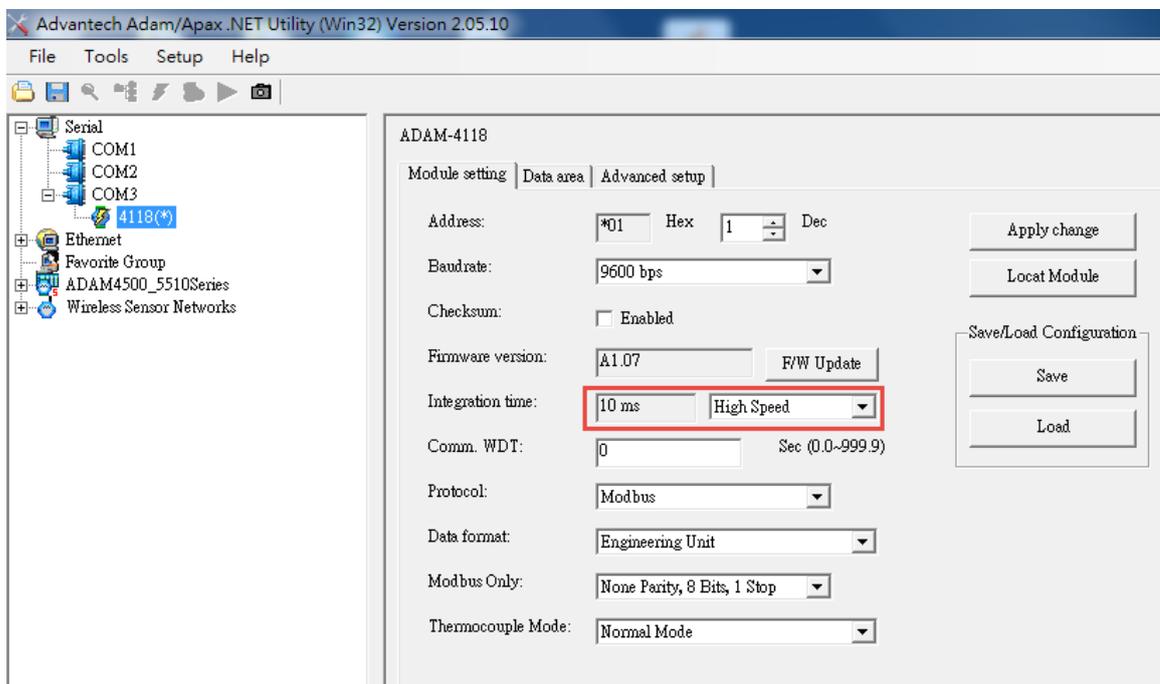
- In module setting page, you will see the integration time shows 50Hz/60Hz, which means the sampling rate is the default value 10 samples/sec.



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



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



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