ADVANTECH *Open eAutomation,*
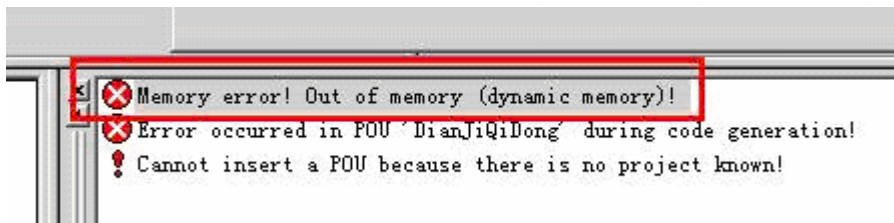**Boundless Integration**

Product:

Adam-5510KW, Adam-5510EKW, ADAM-5510EKW/TP

Abstract:

Adjusting the system and program memory when a downloaded program has a "Memory error!"?

Description:

When downloading a program from the PC to ADAM-5510KW series, and you receive the "Memory error!" message, it means that either the size of I/O (system) memory or program memory is less than the necessary ADAM-5510KW memory.


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Memory error! Out of memory (dynamic memory)!
Error occurred in POU 'DianJiQiDong' during code generation!
Cannot insert a POU because there is no project known!
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If the sum of the program and system I/O memory for downloading to the ADAM-5510KW series is in the range of hardware, but only one of the two memory's is over size, the shortage part can be compensated by adjusting the surplus of the other memory part. This document will show you how to do it. You may need ADAM-5510 series utility to help. Please download the newest utility version from www.advantech.com.

Solution:

1. Using ADAM-5510KW series utility to replace autorun.bat file in folder D of ADAM-5510KW. Following is the lines in the autorrun.bat:

   AX8796 0x60

   PATH C:\

   SET SOCKETS=D:\CONF

   socketp

   pcrtk16.exe   -d120 -p40

2. The difference of the new file is to add a line: pcrtk16.exe   -d120 -p40

   Which

   d stands for system memory and p for program memory.

   120 and 40 is adjustable depending on the application's program and system i/o memory. However, the sum of two numbers has to be 160.