Advantech AE Technical Share Document

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Category	■ FAQ □ SOP	Related OS	Windows XP/ 7
Abstract	Get "InvalidGpParAcc" error code during add path		
Keyword	Path, Add path,		
Related Product	PCI-1220, PCI-1240, PCI-1245L, PCI-1245E, PCI-1245, PCI-1265, PCI-1285E, PCI-1285		

■ **Problem Description**

When user add a path into path table, sometimes they get an error message "InvalidGPParAcc". This document will explain how to solve this issue.

■ **Problem Analysis**

This issue cause of short path distance and very high movement speed with blending time not equal zero. After user add a new path into path, the driver will check the necessary acceleration of new path, if the acceleration is to high user will receive "InvalidGPParAcc" error message.

■ **Solution**

For solving the issue, user need below formula to check the acceleration will exceed the limit value or not. The formula shown as below:

```
IF( BlendingTime > Length/FH*09.*1000 )
{
    Temporary time = Length / FH*0.9*1000
}
Else
{
    Temporary time = BlendTime
}
```

$$ACC_{Necessary} = (New\ path\ target\ velocity - new\ path\ initial\ velocity) / Temporary\ time$$