

Advantech AE Technical Share Document

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Category	■FAQ □SOP	Related OS	N/A
Abstract	How to use AdamApax.NET class library to clear DI latch of ADAM-6000		
Keyword	AdamApax.NET class, DI latch, Modbus		
Related Product	ADAM-6250		

■ Problem Description:

This document explains how to use the AdamApax.NET class API to clear DI latch of ADAM-6000 module.

■ Answer:

The protocol used to clear DI latch is using Modbus, a sample code for clear the DI latch using AdamApax.NET class API could be referred to below.

```
int iConfigStart, iStart, iData;
```

```
//Clear Latch
```

```
iData = 0;
```

```
if (m_NewAdam6000)
```

```
{
```

```
    iStart = (m_iCh * 4) + m_iCounterSwStart + 3;
```

```
}
```

```
else
```

```
{
```

```
    iStart = 32 + m_iCh * 4 + 4;
```

```
}
```

```
adamModbus.Modbus().ForceSingleCoil(iStart, iData);
```

```
// using Modbus API to clear latch
```

```
//Read Latch Status
```

```
if (m_NewAdam6000)
```

```
{
```

```
    iStart = (m_iCh * 4) + m_iCounterSwStart + 3;
```

```
}
```

```
else
```

```
{
```

```
    iStart = 35 + m_iCh * 4 + 1;
```

```
}
```

```
adamModbus.Modbus().ReadCoilStatus(iStart, 1, out bLatchData);
```

```
// using Modbus API to read latch status
```