

In "AG23-0038-003E\_DA1000\_Python\_Execution\_Environment\_Setup\_Manual\_EN.pdf", in 2.1.4.2. Downloading the package for Ads communication, install the Ads communication package version **6.2.387** instead of ~~6.0.356~~.

## 2.1.4.2. Downloading the package for Ads communication

Launch the command prompt and change the current folder to the folder where the command line version of NuGet is located.

```
C:\Users\<username>>cd C:\NugetCommandlinePackages
```

Enter the following into the command prompt and execute it. The download of the package for Ads communication will begin.

```
C:\NugetCommandlinePackages>nuget.exe install Beckhoff.TwinCAT.Ads -Version 6.0.356
```

6.2.387
















# Get dll folder

After installation, you will get a folder like the one in the image on the right.


















Beckhoff.TwinCAT.Ads.6.2.387	📁	2025/07/10 9:18
Beckhoff.TwinCAT.Ads.Abstractions.6.2.387	📁	2025/07/10 9:18
Beckhoff.TwinCAT.Ads.ConfigurationProviders.6.2.387	📁	2025/07/10 9:18
Beckhoff.TwinCAT.Ads.Server.6.2.387	📁	2025/07/10 9:18
Microsoft.Bcl.AsyncInterfaces.8.0.0	📁	2025/07/10 9:18
Microsoft.Extensions.Configuration.8.0.0	📁	2025/07/10 9:18
Microsoft.Extensions.Configuration.Abstractions.8.0.0	📁	2025/07/10 9:19
Microsoft.Extensions.Configuration.Binder.8.0.0	📁	2025/07/10 9:19
Microsoft.Extensions.DependencyInjection.Abstractions.8.0.0	📁	2025/07/10 9:19
Microsoft.Extensions.Logging.Abstractions.8.0.0	📁	2025/07/10 9:19
Microsoft.Extensions.Primitives.8.0.0	📁	2025/07/10 9:19
System.Buffers.4.5.1	📁	2025/07/10 9:19
System.ComponentModel.Composition.8.0.0	📁	2025/07/10 9:19
System.Diagnostics.EventLog.8.0.1	📁	2025/07/10 9:19
System.Memory.4.5.5	📁	2025/07/10 9:19
System.Numerics.Vectors.4.5.0	📁	2025/07/10 9:19
System.Reactive.6.0.0	📁	2025/07/10 9:19
System.Runtime.CompilerServices.Unsafe.6.0.0	📁	2025/07/10 9:19
System.Security.Principal.Windows.5.0.0	📁	2025/07/10 9:19
System.ServiceProcess.ServiceController.8.0.1	📁	2025/07/10 9:19
System.Threading.Tasks.Extensions.4.5.4	📁	2025/07/10 9:19
System.ValueTuple.4.5.0	📁	2025/07/10 9:19
nuget.exe	📁	2025/07/09 10:13

Among the folders obtained on the previous page, only those that have [Folder name\lib\net6.0] in the folder structure will extract the dlls in the net6.0 folder.

Example: If you want to extract TwinCAT.Ads.dll, extract TwinCAT.Ads.dll from [Beckhoff.TwinCAT.Ads.6.2.387\lib\net6.0].

-  Microsoft.Extensions.Configuration.Abstractions.dll
-  Microsoft.Extensions.Configuration.Binder.dll
-  Microsoft.Extensions.Configuration.dll
-  Microsoft.Extensions.DependencyInjection.Abstractions.dll
-  Microsoft.Extensions.Logging.Abstractions.dll
-  Microsoft.Extensions.Primitives.dll
-  System.ComponentModel.Composition.dll
-  System.Diagnostics.EventLog.dll
-  System.Reactive.dll
-  System.Runtime.CompilerServices.Unsafe.dll
-  System.ServiceProcess.ServiceController.dll
-  TwinCAT.Ads.Abstractions.dll
-  TwinCAT.Ads.ConfigurationProviders.dll
-  TwinCAT.Ads.dll
-  TwinCAT.Ads.Server.dll

Move the dll obtained on the previous page into the same folder as the python file you want to run and run TestProgram.

-  Microsoft.Extensions.Configuration.Abstractions.dll
-  Microsoft.Extensions.Configuration.Binder.dll
-  Microsoft.Extensions.Configuration.dll
-  Microsoft.Extensions.DependencyInjection.Abstractions.dll
-  Microsoft.Extensions.Logging.Abstractions.dll
-  Microsoft.Extensions.Primitives.dll
-  srgmc.dll
-  srgmcp.py
-  System.ComponentModel.Composition.dll
-  System.Diagnostics.EventLog.dll
-  System.Reactive.dll
-  System.Runtime.CompilerServices.Unsafe.dll
-  System.ServiceProcess.ServiceController.dll
-  TwinCAT.Ads.Abstractions.dll
-  TwinCAT.Ads.ConfigurationProviders.dll
-  TwinCAT.Ads.dll
-  TwinCAT.Ads.Server.dll