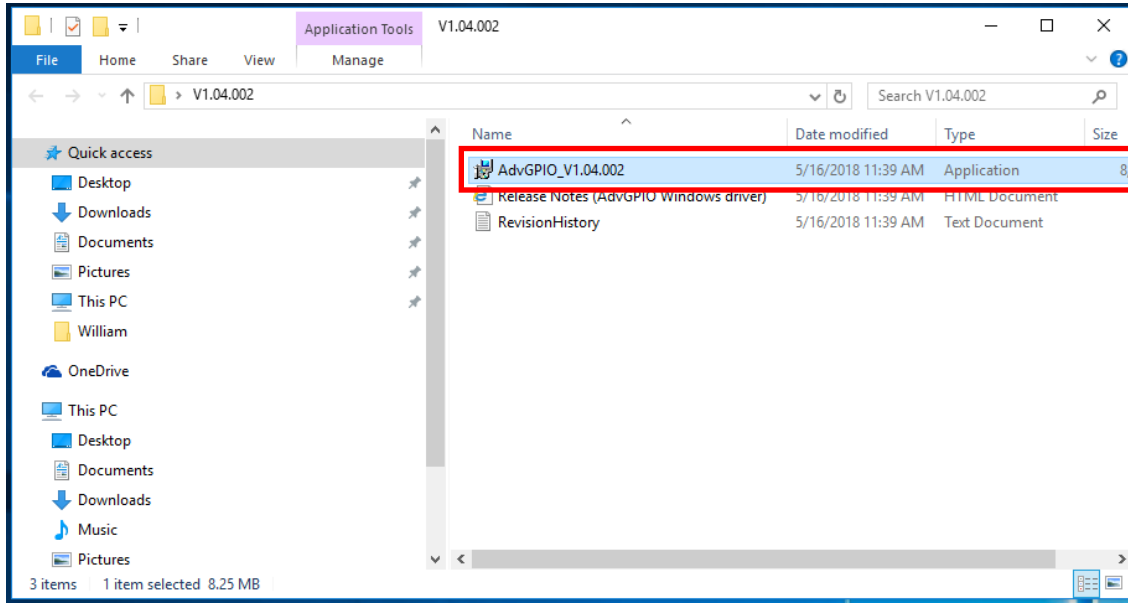


UNO_GPIO Driver Guide

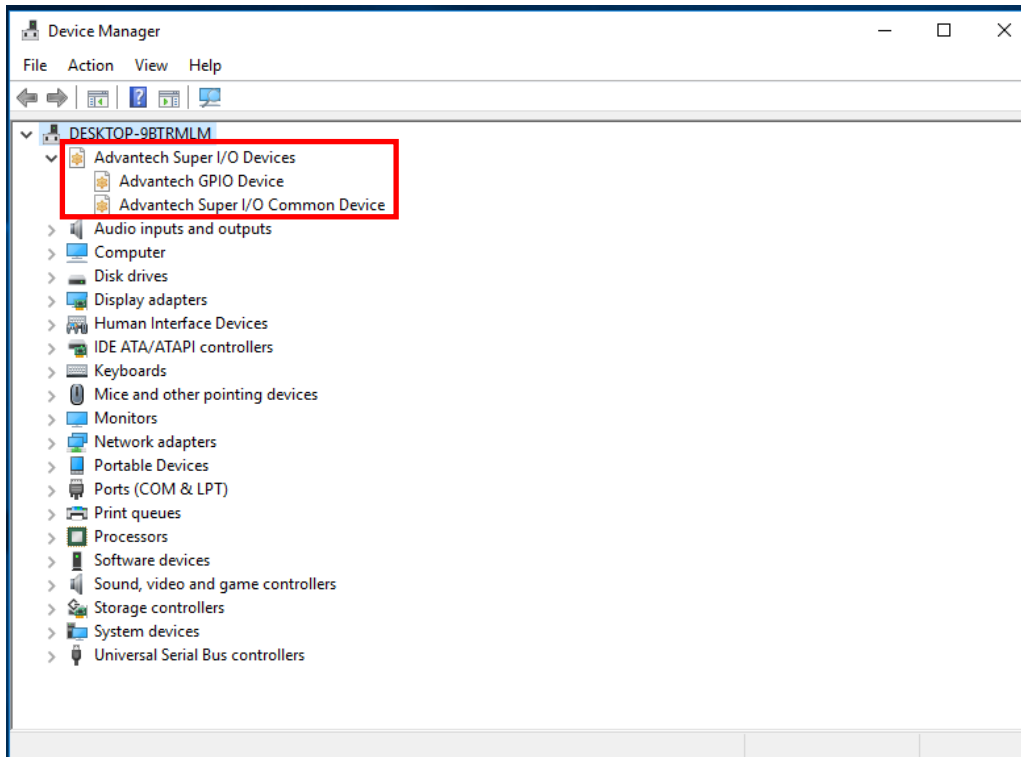
UNO_GPIO Driver Guide	1
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1. Prerequisites

1. UNO GPIO driver v1.04 or later version. Note that there should be built-in IO ports in your UNO series computer.

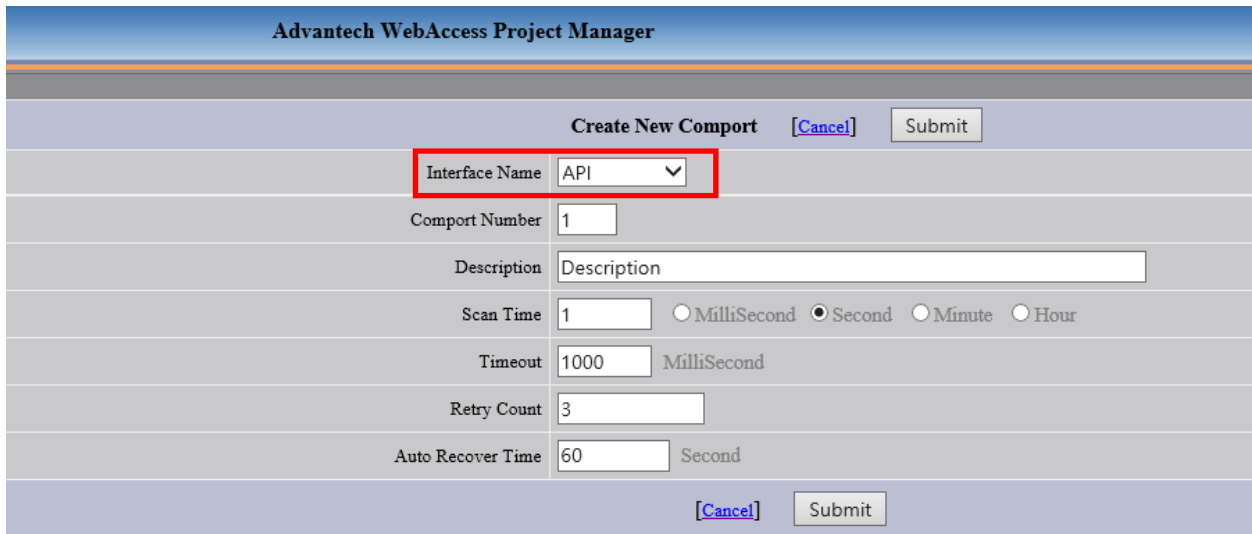


2. Make sure the Advantech GPIO devices has been located in Device Manager.



2. WebAccess Setting - Configure UNO_GPIO

1. Add COM Port



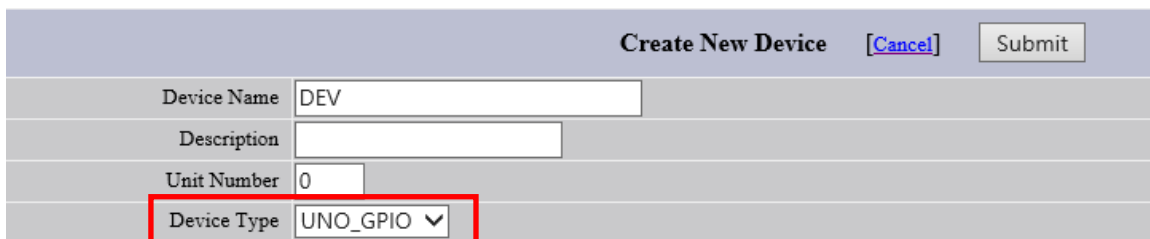
Advantech WebAccess Project Manager

Create New Comport [Cancel] Submit

Interface Name	API
Comport Number	1
Description	Description
Scan Time	1 <input type="radio"/> MilliSecond <input checked="" type="radio"/> Second <input type="radio"/> Minute <input type="radio"/> Hour
Timeout	1000 MilliSecond
Retry Count	3
Auto Recover Time	60 Second

[Cancel] Submit

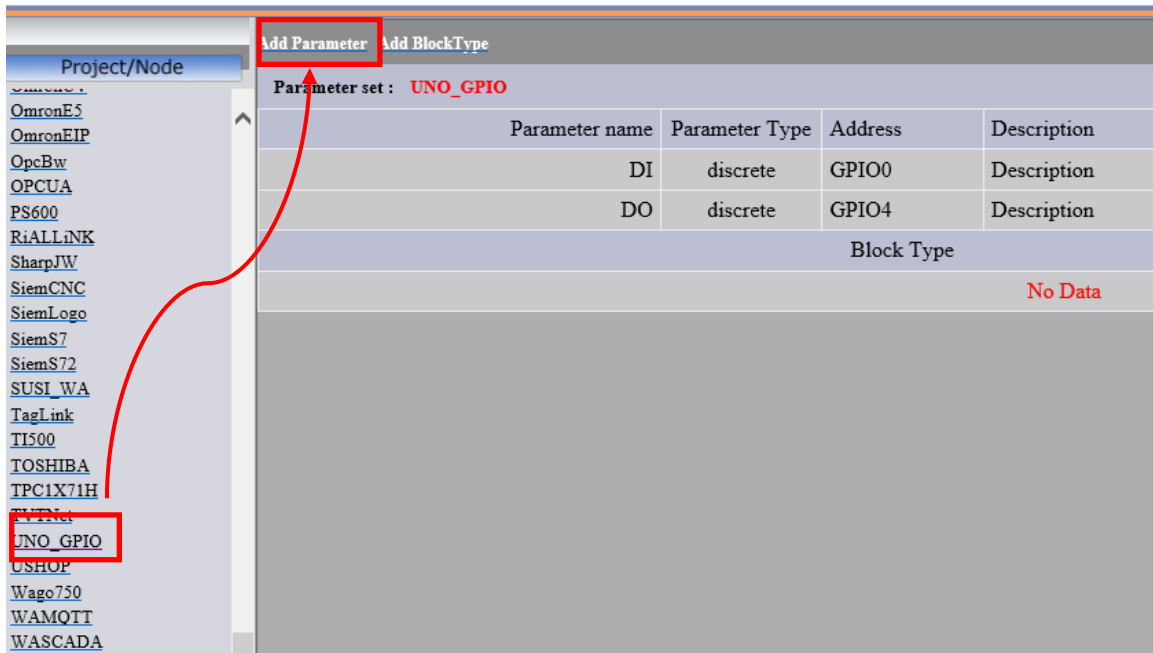
2. Add Device



Create New Device [Cancel] Submit

Device Name	DEV
Description	
Unit Number	0
Device Type	UNO_GPIO

3. Add Parameter



Example 1: Set GPIO0 to Digital **Input**

- Parameter type: **Discrete**
- Parameter name: **GPIO0**
- Address: **GPIO0**
- Read only: **Yes**

Parameter set : UNO_GPIO

Create Parameter [Cancel] Submit

Parameter Type	Discrete parameter
Parameter name	GPIO0
Description	Description
Address Template	GPIO0
Address	GPIO0
Scan Type	Constant Scan
Conversion Code	Auto Conversion
Start Bit	0
Length	1
Read Only	<input checked="" type="radio"/> Yes <input type="radio"/> No

Example 2: Set GPIO4 to Digital **Output**

- Parameter type: **Discrete**
- Parameter name: **GPIO4**
- Address: **GPIO4**
- Read only: **No**

Parameter set : UNO_GPIO

Create Parameter [\[Cancel\]](#)

Parameter Type	Discrete parameter ▼
Parameter name	GPIO4
Description	Description
Address Template	GPIOn ▼
Address	GPIO4
Scan Type	Constant Scan ▼
Conversion Code	Auto Conversion ▼
Start Bit	0
Length	1
Read Only	<input type="radio"/> Yes <input checked="" type="radio"/> No

Done for adding parameter

Add Parameter Add BlockType

Parameter set : UNO_GPIO

Parameter name	Parameter Type	Address	Description	Update
GPIO0	discrete	GPIO0	Description	Update
GPIO4	discrete	GPIO4	Description	Update

Note: address are only for **GPIO0~GPIO7**

4. Add Tag

Example 1: Set GPIO0 to Digital **Input**, Naming DI-0

- Parameter: **GPIO0**
- Tag Name: **DI-0**

Create New Tag		[Cancel]	Submit
Parameter	GPIO0	Point (discrete)	
Alarm	No Alarm		
Tag Name	DI-0		
Description	Description		
Scan Type	Constant Scan		
Address	GPIO0		
Conversion Code	Auto Conversion		
Start Bit	0		
Length	1		
Signal Reverse	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Log Data	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Data Log Dead Band	3	%	
Write Action Log	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Read Only	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Keep Previous Value	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Initial Value	0		
Security area	0		
Security level	0		
State 0	0		
State 1	1		

Example 2: Set GPIO4 to Digital **Output**, Naming DO-0

- Parameter: **GPIO4**
- Tag Name: **DO-0**

Create New Tag		[Cancel]	Submit
Parameter	GPIO4	Point (discrete)	
Alarm	No Alarm		
Tag Name	DO-0		
Description	Description		
Scan Type	Constant Scan		
Address	GPIO4		
Conversion Code	Auto Conversion		
Start Bit	0		
Length	1		
Signal Reverse	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Log Data	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Data Log Dead Band	3	%	
Write Action Log	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Read Only	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Keep Previous Value	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Initial Value	0		
Security area	0		
Security level	0		
State 0	0		
State 1	1		