

# PlcUInt16Info Class

**Namespace:** IPS7Lnk.Advanced

**Assemblies:** IPS7LnkNet.Advanced.dll

Represents a [UInt16](#) value member (in PLC a WORD) its value defines a 16-bit unsigned integer value.

**C#**

```
[CLSCompliant(false)]  
public class PlcUInt16Info : PlcValueInfo<ushort>, IPlcValueInfo, IPlcMemberInfo,  
IPlcRelocatable<IPlcMemberInfo>, IPlcRelocatable
```

**Inheritance** [Object](#) > [PlcMemberInfo](#) > [PlcValueInfo<UInt16>](#) > [PlcUInt16Info](#)

**Attributes** [CLSCompliantAttribute](#)

**Implements** [IPlcValueInfo](#), [IPlcMemberInfo](#), [IPlcRelocatable<IPlcMemberInfo>](#), [IPlcRelocatable](#)

## Remarks

While a PLC value of this type represents an [UInt16](#) value, all PLC operations performed using this class are done using the [Word](#). A PLC developer knows a value of this type as WORD.

## Constructors

| Name                                                          | Description                                                                                                                                       |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">PlcUInt16Info(PlcIdentity, PlcName)</a>           | Initializes a new instance of the <a href="#">PlcUInt16Info</a> class using the specified <b>identity</b> and <b>name</b> .                       |
| <a href="#">PlcUInt16Info(PlcIdentity, PlcName, UInt16)</a>   | Initializes a new instance of the <a href="#">PlcUInt16Info</a> class using the specified <b>identity</b> , <b>name</b> and <b>initialValue</b> . |
| <a href="#">PlcUInt16Info(PlcName)</a>                        | Initializes a new instance of the <a href="#">PlcUInt16Info</a> class using the specified <b>name</b> .                                           |
| <a href="#">PlcUInt16Info(PlcName, UInt16)</a>                | Initializes a new instance of the <a href="#">PlcUInt16Info</a> class using the specified <b>name</b> and <b>initialValue</b> .                   |
| <a href="#">PlcUInt16Info(PlcUInt16Type, PlcName)</a>         | Initializes a new instance of the <a href="#">PlcUInt16Info</a> class using the specified <b>type</b> and <b>name</b> .                           |
| <a href="#">PlcUInt16Info(PlcUInt16Type, PlcName, UInt16)</a> | Initializes a new instance of the <a href="#">PlcUInt16Info</a> class using the specified <b>type</b> , <b>name</b> and <b>initialValue</b> .     |

## Properties

| Name                 | Description                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------|
| <a href="#">Name</a> | Gets the name of the member.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                    |
| <a href="#">Type</a> | Gets the <a href="#">PlcType</a> of the member.<br>(Inherited from <a href="#">PlcMemberInfo</a> ) |

# Methods

| Name                            | Description                                                                                                                                                                      |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MakeAbsoluteMember(PlcIdentity) | Retrieves the <a href="#">PlcUInt16Info</a> as an absolute addressable PLC data member.                                                                                          |
| MakeAbsoluteMember(PlcIdentity) | When implemented in a derived class, retrieves the <a href="#">IPlcMemberInfo</a> as an absolute addressable PLC data member.<br>(Inherited from <a href="#">PlcMemberInfo</a> ) |
| Relocate(Int32)                 | Relocates the <a href="#">PlcMemberInfo</a> using the specified offset.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                                       |
| Relocate(Int32, Int32)          | Relocates the <a href="#">PlcMemberInfo</a> using the specified offset.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                                       |
| Relocate(Int32, Int32, Int32)   | Relocates the <a href="#">PlcMemberInfo</a> using the specified offset.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                                       |
| Relocate(PlcAddress)            | Relocates the <a href="#">PlcMemberInfo</a> using the specified <b>address</b> .<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                              |
| RelocateCore(PlcType)           | Relocates the member to the <b>type</b> specified.                                                                                                                               |
| RelocateCore(PlcType)           | When implemented in a derived class, relocates the member to the <b>type</b> specified.<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                       |
| ToString                        | Retrieves the string representation of the <a href="#">PlcMemberInfo</a> .<br>(Inherited from <a href="#">PlcMemberInfo</a> )                                                    |

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