PlcUInt16 Class

Namespace: IPS7Lnk.Advanced
Assemblies: IPS7LnkNet.Advanced.dll

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

C#

```
[CLSCompliant(false)]
public class PlcUInt16 : PlcValue<ushort>, IPlcValue<ushort>, IPlcValue, IPlcSymbol,
IPlcEntity, IPlcStatusProvider, IPlcRelocatable<IPlcValue>, IPlcRelocatable,
ISupportInitialize
```

Inheritance Object › PlcValue<UInt16> › PlcUInt16

Attributes CLSCompliantAttribute

Implements IPlcValue<UInt16>, IPlcValue, IPlcSymbol, IPlcEntity, IPlcStatusProvider, IPlcRelocatable<IPlcValue>, IPlcRelocatable, ISupportInitialize

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
PlcUInt16(PlcIdentity)	Initializes a new instance of the PlcUInt16 class using the specified `identity`
PlcUInt16(PlcIdentity, PlcName)	Initializes a new instance of the PlcUInt16 class using the specified `identity` and `name`.
PlcUInt16(PlcIdentity, PlcName, UInt16)	Initializes a new instance of the PlcUInt16 class using the specified `identity`, `name` and `value`.
PlcUInt16(PlcIdentity, UInt16)	Initializes a new instance of the PlcUInt16 class using the specified `identity` and `value`.
PlcUInt16(PlcUInt16Type)	Initializes a new instance of the PlcUInt16 class using the specified `type`
PlcUInt16(PlcUInt16Type, PlcName)	Initializes a new instance of the PlcUInt16 class using the specified `type` and `name`.
PlcUInt16(PlcUInt16Type, PlcName, UInt16)	Initializes a new instance of the PlcUInt16 class using the specified `type`, `name` and `value`.
PlcUInt16(PlcUInt16Type, UInt16)	Initializes a new instance of the PlcUInt16 class using the specified `type` and `value`.

Methods

Name	Description
GetValueCore(PlcDeviceConnection)	Retrieves the current value of the PLC value from a IPlcDevice using the `connection` specified.
RelocateCore(PlcAddress)	Relocates the value to the `address` specified.
SetValueCore(PlcDeviceConnection, UInt16)	Stores the `value` in the IPlcDevice assigned to the `connection` specified.

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