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Ma 2019-07-22 10:50:36 ... >> > > > > byte //word => ushort //DWord => uint //Int => short //DInt => int //Real => float //LReal => double //String => string //DateTimeLong=>datetime //s7wstring=>string boolvar a = plc.Read("DB1.DBX0.0");//tcpplc.Write("DB1.DBX0.0", true);////readDataBlockfalse2booltruetcpint db = 1; var boolDemo = plc.Read(DataType.DataBlock, db, 0, VarType.Bit, 1); Console.WriteLine("bool" + boolDemo); plc.Write(DataType.DataBlock, db, 0, false);var boolDemoRead = plc.Read(DataType.DataBlock, db, 0, VarType.Bit, 1);Console.WriteLine("bool" + boolDemoRead);db110 bit 1Plc plc = new Plc(CpuType.S71500, "192.168.43.14" + "", 0, 1); plc.Open();if (plc.IsConnected) { Console.WriteLine("PLC");} var a = plc.Read("DB1.DBX0.0");plc.Write("DB1.DBX0.0", true); int db = 1; var boolDemo = plc.Read(DataType.DataBlock, db, 0, VarType.Bit, 1);Console.WriteLine("bool" + boolDemo); plc.Write(DataType.DataBlock, db, 0, false);var boolDemoRead = plc.Read(DataType.DataBlock, db, 0, VarType.Bit, 1);Console.WriteLine("bool" + boolDemoRead); var wordDemo = plc.Read(DataType.DataBlock, db, 2, VarType.Int, 1);Console.WriteLine("word" + wordDemo); plc.Write(DataType.DataBlock, db, 2, (ushort)9);var wordDemoRead = plc.Read(DataType.DataBlock, db, 2, VarType.Int, 1);Console.WriteLine("word" + wordDemoRead); var DwordDemo = plc.Read(DataType.DataBlock, db, 4, VarType.Int, 1);Console.WriteLine("Dword" + DwordDemo); plc.Write(DataType.DataBlock, db, 4, 8);var DwordDemoRead = plc.Read(DataType.DataBlock, db, 4, VarType.Int, 1);Console.WriteLine("Dword" + DwordDemoRead); var intDemo = plc.Read(DataType.DataBlock, db, 8, VarType.Int, 1);Console.WriteLine("int" + intDemo); short readInt = 9;plc.Write(DataType.DataBlock, db, 8, readInt);var intDemoRead = plc.Read(DataType.DataBlock, db, startByteAdr: 8, VarType.Int, 1);Console.WriteLine("int" + intDemoRead); var DintDemo = plc.Read(DataType.DataBlock, db, 10, VarType.Int, 1);Console.WriteLine("Dint" + DwordDemo); plc.Write(DataType.DataBlock, db, 10, 100);var DintDemoRead = plc.Read(DataType.DataBlock, db, 10, VarType.Int, 1);Console.WriteLine("Dint" + DintDemoRead); var RealDemo = plc.Read(DataType.DataBlock, db, 14, VarType.Int, 1);Console.WriteLine("Real" + RealDemo); plc.Write(DataType.DataBlock, db, 14, (float)99.9);var DrealDemoRead = plc.Read(DataType.DataBlock, db, 14, VarType.Int, 1);Console.WriteLine("Real" + DrealDemoRead); var LRealDemo = plc.Read(DataType.DataBlock, db, 18, VarType.Int, 1);Console.WriteLine("LReal" + LRealDemo); plc.Write(DataType.DataBlock, db, 18, 88.88);var LrealDemoRead = plc.Read(DataType.DataBlock, db, 18, VarType.Int, 1);Console.WriteLine("Lreal" + LrealDemoRead); var byteDemo = plc.Read(DataType.DataBlock, db, 290, VarType.Byte, 1);Console.WriteLine("byte" + byteDemo); plc.Write(DataType.DataBlock, db, 290, (byte)2);var byteDemoRead = plc.Read(DataType.DataBlock, db, 290, VarType.Byte, 1);Console.WriteLine("byte" + byteDemoRead); var dateDemo = plc.Read(DataType.DataBlock, db, 282, VarType.DateTime, 1);Console.WriteLine("data" + dateDemo); plc.Write(DataType.DataBlock, 2, 282, System.DateTime.Now);var dateDemoRead = plc.Read(DataType.DataBlock, db, 282, VarType.DateTime, 1);Console.WriteLine("data" + dateDemoRead); var charDemo = plc.Read(DataType.DataBlock, db, 4, VarType.String, 1);Console.WriteLine("char" + charDemo); plc.Write(DataType.DataBlock, db, 4, "a");var charDemoRead = plc.Read(DataType.DataBlock, db, 4, VarType.Int, 1);Console.WriteLine("char" + charDemoRead);stringstringbyteutf8ascii+1+2stringascii#pragma warning disablevar count = (byte)plc.Read(DataType.DataBlock, db, 26 + 1, VarType.Byte, 1);byte[] stringDemo = plc.ReadBytes(DataType.DataBlock, db, 26 + 2, count);string stringValue = Encoding.Default.GetString(stringDemo);Console.WriteLine("string" + stringValue); plc.Write(DataType.DataBlock, db, 26 + 1, (byte)"nihao".Length);plc.Write(DataType.DataBlock, db, 26 + 2, "nihao");stringDemo = plc.ReadBytes(DataType.DataBlock, db, 26 + 2, count);string stringDemoRead = Encoding.Default.GetString(stringDemo);Console.WriteLine("string" + stringDemoRead);wstringwstring254 var wstringDemo = plc.Read(DataType.DataBlock, db, startByteAdr: 292, VarType.S7WString, varCount: 254);arrayarrayfloat[] realfloatcountpcarraydemopc21pcplc/arrayfloat[] arrayDemo = (float[])plc.Read(DataType.DataBlock, db, 804, VarType.Real, 10);//arrayrealintwrodboolConsole.WriteLine("array" + System.String.Join(",", arrayDemo)); //arrayfor (int i = 0; i < arrayDemo.Length; i++){ arrayDemo[i] += 0.1F; }plc.Write(DataType.DataBlock, db, 804, arrayDemo);//float[] arrayDemo2 = { 0.11F, 0.22F };/arrayplc.Write(DataType.DataBlock, db, 804, arrayDemo2);/ float[] arrayDemoRead = (float[])plc.Read(DataType.DataBlock, db, 804, VarType.Real, 10);Console.WriteLine("array" + System.String.Join(",", arrayDemoRead)); CC 4.0 BY-SA >>_>_>
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