

System.Net.Sockets.ProtocolType Enum

```
[ILASM]
.class public sealed serializable ProtocolType extends
System.Enum

[C#]
public enum ProtocolType
```

Assembly Info:

- *Name:* System
- *Public Key:* [00 00 00 00 00 00 00 00 04 00 00 00 00 00 00]
- *Version:* 1.0.x.x
- *Attributes:*
 - CLSCompliantAttribute(true)

Summary

Specifies the protocols used by the **System.Net.Sockets.Socket** class.

Inherits From: System.Enum

Library: Networking

Description

The **System.Net.Sockets.ProtocolType** enumeration is used with the **System.Net.Sockets.Socket** class. This enumeration specifies the protocols that a socket instance can use to transport data.

1 **ProtocolType.Ggp Field**

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType Ggp = 3  
  
5        [C#]  
6        Ggp = 3
```

7 **Summary**

8 Specifies the Gateway To Gateway Protocol.

9

1 **ProtocolType.Icmp Field**

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType Icmp = 1  
  
5        [C#]  
6        Icmp = 1
```

7 **Summary**

8 Specifies the Internet Control Message Protocol (ICMP) as defined by
9 IETF RFC 1792.

10

1 ProtocolType.Idp Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Net.Sockets.ProtocolType Idp = 22  
  
5 [C#]  
6 Idp = 22
```

7 Summary

8 Specifies the Inter-Domain Policy Protocol (IDP) as defined by IETF
9 RFC 1764.

10

1 **ProtocolType.Igmp Field**

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType Igmp = 2  
  
5        [C#]  
6        Igmp = 2
```

7 **Summary**

8 Specifies the Internet Group Management Protocol (IGMP) as defined
9 by IETF RFC 2236.

10

1 **ProtocolType.IP Field**

```
2    [ILASM]  
3    .field public static literal valuetype  
4    System.Net.Sockets.ProtocolType IP = 0  
  
5    [C#]  
6    IP = 0
```

7 **Summary**

8 Specifies the Internet Protocol (IP) as defined by IETF RFC 791, 792,
9 919, 922, and 1112.

10
11 [Note: Multiple names are defined for this value based on prior art.
12 This value is identical to
13 **System.Net.Sockets.ProtocolType.Unspecified.**]

14

1 ProtocolType.Ipx Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Net.Sockets.ProtocolType Ipx = 1000  
  
5 [C#]  
6 Ipx = 1000
```

7 Summary

8 Specifies the Internetwork Packet Exchange Protocol.

9

1 **ProtocolType.ND Field**

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType ND = 77  
  
5        [C#]  
6        ND = 77
```

7 **Summary**

8 Specifies the Net Disk Protocol.

9

1 **ProtocolType.Pup Field**

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType Pup = 12  
  
5        [C#]  
6        Pup = 12
```

7 **Summary**

8 Specifies the Xerox Post Office Update Protocol.

9

1 ProtocolType.Raw Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Net.Sockets.ProtocolType Raw = 255  
  
5 [C#]  
6 Raw = 255
```

7 Summary

8 Specifies the Raw IP packet protocol.

9

1 **ProtocolType.Spx Field**

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType Spx = 1256  
  
5        [C#]  
6        Spx = 1256
```

7 **Summary**

8 Specifies the Sequenced Packet Exchange Protocol.

9

1 **ProtocolType.SpxII** Field

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType SpxII = 1257  
  
5        [C#]  
6        SpxII = 1257
```

7 **Summary**

8 Specifies the Sequenced Packet Exchange Version 2 Protocol.

9

1 **ProtocolType.Tcp Field**

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType Tcp = 6  
  
5        [C#]  
6        Tcp = 6
```

7 **Summary**

8 Specifies the Transmission Control Protocol (TCP) as defined by IETF
9 RFC 793.

10

1 **ProtocolType.Udp Field**

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType Udp = 17  
  
5        [C#]  
6        Udp = 17
```

7 **Summary**

8 Specifies the User Datagram Protocol (UDP) as defined by IETF RFC
9 768.

10

1 ProtocolType.Unknown Field

```
2 [ILASM]  
3 .field public static literal valuetype  
4 System.Net.Sockets.ProtocolType Unknown = -1  
  
5 [C#]  
6 Unknown = -1
```

7 Summary

8 Used to indicate an uninitialized state. This member is not to be used
9 when constructing instances of the **System.Net.Sockets.Socket**
10 class.
11

1 **ProtocolType.Unspecified** Field

```
2        [ILASM]  
3        .field public static literal valuetype  
4        System.Net.Sockets.ProtocolType Unspecified = 0  
  
5        [C#]  
6        Unspecified = 0
```

7 **Summary**

8 Unspecified protocol.

9
10 [Note: Multiple names are defined for this value based on prior art.
11 This value is identical to **System.Net.Sockets.ProtocolType.IP**.]

12