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 00]
- *Version:* 2.0.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.

ProtocolType.Ggp Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType Ggp
= 3


[C#]
Ggp = 3
```

Summary

Specifies the Gateway To Gateway Protocol.

ProtocolType.Icmp Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType
Icmp = 1


[C#]
Icmp = 1
```

Summary

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

ProtocolType.Idp Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType Idp
= 22


[C#]
Idp = 22
```

Summary

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

ProtocolType.Igmp Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType
Igmp = 2


[C#]
Igmp = 2
```

Summary

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

ProtocolType.IP Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType IP
= 0


[C#]
IP = 0
```

Summary

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

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

]

ProtocolType.Ipx Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType Ipx
= 1000


[C#]
Ipx = 1000
```

Summary

Specifies the Internetwork Packet Exchange Protocol.

ProtocolType.ND Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType ND
= 77


[C#]
ND = 77
```

Summary

Specifies the Net Disk Protocol.

ProtocolType.Pup Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType Pup
= 12


[C#]
Pup = 12
```

Summary

Specifies the Xerox Post Office Update Protocol.

ProtocolType.Raw Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType Raw
= 255


[C#]
Raw = 255
```

Summary

Specifies the Raw IP packet protocol.

ProtocolType.Spx Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType Spx
= 1256


[C#]
Spx = 1256
```

Summary

Specifies the Sequenced Packet Exchange Protocol.

ProtocolType.SpxII Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType
SpxII = 1257


[C#]
SpxII = 1257
```

Summary

Specifies the Sequenced Packet Exchange Version 2 Protocol.

ProtocolType.Tcp Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType Tcp
= 6


[C#]
Tcp = 6
```

Summary

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

ProtocolType.Udp Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType Udp
= 17


[C#]
Udp = 17
```

Summary

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

ProtocolType.Unknown Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType
Unknown = -1


[C#]
Unknown = -1
```

Summary

Used to indicate an uninitialized state. This member is not to be used when constructing instances of the `System.Net.Sockets.Socket` class.

ProtocolType.Unspecified Field

```
[ILAsm]
.field public static literal valuetype System.Net.Sockets.ProtocolType
Unspecified = 0


[C#]
Unspecified = 0
```

Summary

Unspecified protocol.

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

]