

## Internet Protocol Numbers

Value	Keyword	Protocol	Value	Keyword	Protocol	Value	Keyword	Protocol
0	HOPOPT	IPv6 Hop-by-Hop Option	48	DSR	Dynamic Source Routing Protocol	95	MICP	Mobile Internetworking Control Pro.
1	ICMP	Internet Control Message	49	BNA	BNA	96	SCC-SP	Semaphore Communications Sec. Pro.
2	IGMP	Internet Group Management	50	ESP	Encap Security Payload	97	ETHERIP	Ethernet-within-IP Encapsulation
3	GGP	Gateway-to-Gateway	51	AH	Authentication Header	98	ENCAP	Encapsulation Header
4	IP	IP in IP (encapsulation)	52	I-NLSP	Integrated Net Layer Security TUBA	99		any private encryption scheme
5	ST	Stream	53	SWIPE	IP with Encryption	100	GMTP	GMTP
6	TCP	Transmission Control	54	NARP	NBMA Address Resolution Protocol	101	IFMP	Ipsilon Flow Management Protocol
7	CBT	CBT	55	MOBILE	IP Mobility	102	PNNI	PNNI over IP
8	EGP	Exterior Gateway Protocol	56	TLSP	Transport Layer Security Protocol	103	PIM	Protocol Independent Multicast
9	IGP	any private interior gateway (Cisco IGRP)	57	SKIP	SKIP	104	ARIS	ARIS
10	BBN-RCC-MON	BBN RCC Monitoring	58	IPv6-ICMP	ICMP for IPv6	105	SCPS	SCPS
11	NVP-II	Network Voice Protocol	59	IPv6-NoNxt	No Next Header for IPv6	106	QNX	QNX
12	PUP	PUP	60	IPv6-Opts	Destination Options for IPv6	107	A/N	Active Networks
13	ARGUS	ARGUS	61		any host internal protocol	108	IPComp	IP Payload Compression Protocol
14	EMCON	EMCON	62	CFTP	CFTP	109	SNP	Sitara Networks Protocol
15	XNET	Cross Net Debugger	63		any local network	110	Compaq-Peer	Compaq Peer Protocol
16	CHAOS	Chaos	64	SAT-EXPAK	SATNET and Backroom EXPAK	111	IPX-in-IP	IPX in IP
17	UDP	User Datagram	65	KRYPTOLAN	Kryptolan	112	VRRP	Virtual Router Redundancy Protocol
18	MUX	Multiplexing	66	RVD	MIT Remote Virtual Disk Protocol	113	PGM	PGM Reliable Transport Protocol
19	DCN-MEAS	DCN Measurement Subsystems	67	IPPC	Internet Pluribus Packet Core	114		any 0-hop protocol
20	HMP	Host Monitoring	68		any distributed file system	115	L2TP	Layer Two Tunneling Protocol
21	PRM	Packet Radio Measurement	69	SAT-MON	SATNET Monitoring	116	DDX	D-II Data Exchange (DDX)
22	XNS-IDP	XEROX NS IDP	70	VISA	VISA Protocol	117	IATP	Interactive Agent Transfer Protocol
23	TRUNK-1	Trunk-1	71	IPCV	Internet Packet Core Utility	118	STP	Schedule Transfer Protocol
24	TRUNK-2	Trunk-2	72	CPNX	Computer Protocol Network Executive	119	SRP	Spectralink Radio Protocol
25	LEAF-1	Leaf-1	73	CPHB	Computer Protocol Heart Beat	120	UTI	UTI
26	LEAF-2	Leaf-2	74	WSN	Wang Span Network	121	SMP	Simple Message Protocol
27	RDP	Reliable Data Protocol	75	PVP	Packet Video Protocol	122	SM	SM
28	IRTP	Internet Reliable Transaction	76	BR-SAT-MON	Backroom SATNET Monitoring	123	PTP	Performance Transparency Protocol
29	ISO-TP4	ISO Transport Protocol Class 4	77	SUN-ND	SUN ND PROTOCOL-Temporary	124	ISIS over IPv4	
30	NETBLT	Bulk Data Transfer Protocol	78	WB-MON	WIDEBAND Monitoring	125	FIRE	
31	MFE-NSP	MFE Network Services Protocol	79	WB-EXPAK	WIDEBAND EXPAK	126	CRTP	Combat Radio Transport Protocol
32	MERIT-INP	MERIT Internodal Protocol	80	ISO-IP	ISO Internet Protocol	127	CRUDP	Combat Radio User Datagram
33	DCCP	Datagram Congestion Control Protocol	81	VMTP	VMTP	128	SSCOPMCE	
34	3PC	Third Party Connect Protocol	82	SECURE-VMTP	SECURE-VMTP	129	IPLT	
35	IDPR	Inter-Domain Policy Routing Protocol	83	VINES	VINES	130	SPS	Secure Packet Shield
36	XTP	XTP	84	TTP	TTP	131	PIPE	Private IP Encapsulation within IP
37	DDP	Datagram Delivery Protocol	85	NSFNET-IGP	NSFNET-IGP	132	SCTP	Stream Control Transmission Protocol
38	IDPR-CMTP	IDPR Control Message Transport Proto	86	DGP	Dissimilar Gateway Protocol	133	FC	Fibre Channel
39	TP++	TP++ Transport Protocol	87	TCF	TCF	134	RSVP-E2E-IGNORE	
40	IL	IL Transport Protocol	88	EIGRP	EIGRP	135	Mobility Header	
41	IPv6	Ipv6	89	OSPFIGP	OSPFIGP	136	UDPLite	
42	SDRP	Source Demand Routing Protocol	90	Sprite-RPC	Sprite RPC Protocol	137	MPLS-in-IP	
43	IPv6-Route	Routing Header for IPv6	91	LARP	Locus Address Resolution Protocol	138	manet	MANET Protocols
44	IPv6-Frag	Fragment Header for IPv6	92	MTP	Multicast Transport Protocol	139	HIP	Host Identity Protocol
45	IDRP	Inter-Domain Routing Protocol	93	AX.25	AX.25 Frames	253		Use for experimentation and testing
46	RSVP	Reservation Protocol	94	IPIP	IP-within-IP Encapsulation Protocol	254		Use for experimentation and testing
47	GRE	General Routing Encapsulation						

**Source:**

IANA, "Assigned Internet Protocol Numbers", 2008-04-18, 2008-09-25, <<http://www.iana.org/assignments/protocol-numbers/>>