

Port	TCP	UDP	Description	Status
0	TCP	UDP	Reserved	Official
1	TCP	UDP	<a href="#">TCP Port Service Multiplexer</a>	Official
2	TCP	UDP	Management Utility	Official
3	TCP	UDP	Compression Process	Official
4	TCP	UDP	Unassigned	Official
5	TCP	UDP	<a href="#">Remote Job Entry</a>	Official
6	TCP	UDP	Unassigned	Official
7	TCP	UDP	<a href="#">Echo</a>	Official
8	TCP	UDP	Unassigned	Official
9	TCP	UDP	<a href="#">Discard</a>	Official
11	TCP	UDP	<a href="#">Active Users</a>	Official
13	TCP	UDP	<a href="#">DAYTIME</a> – ( <a href="#">RFC 867</a> )	Official
17	TCP	UDP	<a href="#">Quote of the Day</a>	Official
18	TCP	UDP	<a href="#">Message Send Protocol</a>	Official
19	TCP	UDP	<a href="#">Character Generator</a>	Official
20	TCP		<a href="#">FTP</a> – data	Official
21	TCP		<a href="#">FTP</a> – control (command)	Official
22	TCP	UDP	<a href="#">Secure Shell</a> (SSH)—used for secure logins, <a href="#">file transfers</a> ( <a href="#">scp</a> , <a href="#">sftp</a> ) and port forwarding	Official
23	TCP		<a href="#">Telnet</a> protocol—unencrypted text communications	Official USA only
25	TCP		<a href="#">Simple Mail Transfer Protocol</a> (SMTP)—used for e-mail routing between mail servers	Official
26	TCP		Unknown Found while scanning website with Nmap. Looks to be SMTP related	Unofficial
34	TCP	UDP	Remote File (RF)—used to transfer files between machines	Unofficial
35	TCP	UDP	Any private <a href="#">printer server</a> protocol	Official
35	TCP	UDP	<a href="#">QMS Magicolor 2 printer server</a> protocol	Unofficial
37	TCP	UDP	<a href="#">TIME protocol</a>	Official
39	TCP	UDP	Resource Location Protocol <sup>[2]</sup> (RLP)—used for determining the location of higher level <a href="#">services</a> from <a href="#">hosts</a> on a <a href="#">network</a>	Official
41	TCP	UDP	Graphics	Official
42	TCP	UDP	nameserver, <a href="#">ARPA Host Name Server Protocol</a>	Official
42	TCP	UDP	<a href="#">WINS</a>	Unofficial
43	TCP		<a href="#">WHOIS</a> protocol	Official
47	TCP		<a href="#">GRE</a> protocol	Official
49	TCP	UDP	<a href="#">TACACS</a> Login Host protocol	Official
50	TCP	UDP	<a href="#">Encapsulating Security Payload</a> (ESP)	Official
51	TCP	UDP	<a href="#">Authentication Header</a> (AH)	Official
52	TCP	UDP	XNS ( <a href="#">Xerox Network Systems</a> ) Time Protocol	Official
53	TCP	UDP	<a href="#">Domain Name System</a> (DNS)	Official
54	TCP	UDP	XNS ( <a href="#">Xerox Network Systems</a> ) Clearinghouse	Official
55	TCP	UDP	<a href="#">ISI Graphics Language</a> (ISI-GL)	Unofficial
56	TCP	UDP	XNS ( <a href="#">Xerox Network Systems</a> ) Authentication	Official
56	TCP	UDP	Route Access Protocol (RAP) <sup>[3]</sup>	Unofficial
57	TCP		<a href="#">Mail Transfer Protocol</a> (MTP)	Unofficial

58	TCP	UDP	XNS ( <a href="#">Xerox Network Systems</a> ) Mail	Official
67		UDP	<a href="#">Bootstrap Protocol</a> (BOOTP) Server; also used by <a href="#">Dynamic Host Configuration Protocol</a> (DHCP)	Official
68		UDP	<a href="#">Bootstrap Protocol</a> (BOOTP) Client; also used by <a href="#">Dynamic Host Configuration Protocol</a> (DHCP)	Official
69		UDP	<a href="#">Trivial File Transfer Protocol</a> (TFTP)	Official
70	TCP		<a href="#">Gopher</a> protocol	Official
79	TCP		<a href="#">Finger protocol</a>	Official
80	TCP	UDP	<a href="#">Hypertext Transfer Protocol</a> (HTTP)	Official
81	TCP		<a href="#">Torpark—Onion routing</a>	Unofficial
82		UDP	<a href="#">Torpark—Control</a>	Unofficial
83	TCP		MIT ML Device	Official
88	TCP	UDP	<a href="#">Kerberos</a> —authentication system	Official
90	TCP	UDP	dnsix ( <a href="#">DoD</a> Network Security for Information Exchange) Security Attribute Token Map	Official
90	TCP	UDP	<a href="#">Pointcast</a>	Unofficial
99	TCP		WIP Message Protocol	Unofficial
101	TCP		<a href="#">NIC host name</a>	Official
102	TCP		<a href="#">ISO-TSAP</a> (Transport Service Access Point) Class 0 protocol <sup>[4]</sup>	Official
104	TCP	UDP	<a href="#">ACR/NEMA Digital Imaging and Communications in Medicine</a>	Official
105	TCP	UDP	<a href="#">CCSO Nameserver Protocol (Qi/Ph)</a>	Official
107	TCP		Remote <a href="#">TELNET</a> Service <sup>[5]</sup> protocol	Official
108	TCP	UDP	<a href="#">SNA</a> Gateway Access Server <sup>[6]</sup>	Official
109	TCP		<a href="#">Post Office Protocol</a> 2 (POP2)	Official
110	TCP		<a href="#">Post Office Protocol</a> 3 (POP3)	Official
111	TCP	UDP	<a href="#">ONC RPC</a> ( <a href="#">SunRPC</a> )	Official
113	TCP		<a href="#">ident</a> —user identification system, used by <a href="#">IRC</a> servers to identify users	Official
113	TCP	UDP	Authentication Service (auth)	Official
115	TCP		<a href="#">Simple File Transfer Protocol</a> (SFTP)	Official
117	TCP		<a href="#">UUCP Path Service</a>	Official
118	TCP	UDP	<a href="#">SQL</a> (Structured Query Language) Services	Official
119	TCP		<a href="#">Network News Transfer Protocol</a> (NNTP)—used for retrieving newsgroup messages	Official
123		UDP	<a href="#">Network Time Protocol</a> (NTP)—used for time synchronization	Official
135	TCP	UDP	<a href="#">DCE endpoint</a> resolution	Official
135	TCP	UDP	<a href="#">Microsoft</a> EPMAP (End Point Mapper), also known as DCE/ <a href="#">RPC</a> Locator service <sup>[7]</sup> , used to remotely manage services including <a href="#">DHCP server</a> , <a href="#">DNS</a> server and <a href="#">WINS</a> . Also used by <a href="#">DCOM</a>	Unofficial
137	TCP	UDP	<a href="#">NetBIOS</a> NetBIOS Name Service	Official
138	TCP	UDP	<a href="#">NetBIOS</a> NetBIOS Datagram Service	Official
139	TCP	UDP	<a href="#">NetBIOS</a> NetBIOS Session Service	Official
143	TCP	UDP	<a href="#">Internet Message Access Protocol</a> (IMAP)—used for retrieving, organizing, and synchronizing e-mail messages	Official
152	TCP	UDP	Background File Transfer Program (BFTP) <sup>[8]</sup>	Official
153	TCP	UDP	SGMP, <a href="#">Simple Gateway Monitoring Protocol</a>	Official
156	TCP	UDP	<a href="#">SQL</a> Service	Official

158	TCP	UDP	DMSP, Distributed Mail Service Protocol	Unofficial
161		UDP	<a href="#">Simple Network Management Protocol</a> (SNMP)	Official
162	TCP	UDP	<a href="#">Simple Network Management Protocol</a> Trap (SNMPTRAP) <sup>[9]</sup>	Official
170	TCP		Print-srv, Network <a href="#">PostScript</a>	Official
177	TCP	UDP	<a href="#">X Display Manager</a> Control Protocol (XDMCP)	Official
179	TCP		<a href="#">BGP</a> (Border Gateway Protocol)	Official
194	TCP	UDP	<a href="#">IRC</a> (Internet Relay Chat)	Official
199	TCP	UDP	<a href="#">SMUX</a> , <a href="#">SNMP</a> Unix Multiplexer	Official
201	TCP	UDP	AppleTalk Routing Maintenance	Official
209	TCP	UDP	The Quick Mail Transfer Protocol	Official
210	TCP	UDP	<a href="#">ANSI Z39.50</a>	Official
213	TCP	UDP	<a href="#">Internetwork Packet Exchange</a> (IPX)	Official
218	TCP	UDP	<a href="#">Message posting protocol</a> (MPP)	Official
220	TCP	UDP	<a href="#">Internet Message Access Protocol</a> (IMAP), version 3	Official
256	TCP	UDP	2DEV "2SP" Port	Unofficial
259	TCP	UDP	ESRO, Efficient Short Remote Operations	Official
264	TCP	UDP	<a href="#">BGMP</a> , Border Gateway Multicast Protocol	Official
308	TCP		<a href="#">Novastor Online Backup</a>	Official
311	TCP		<a href="#">Mac OS X Server</a> Admin (officially AppleShare IP Web administration)	Official
318	TCP	UDP	PKIX TSP, <a href="#">Time Stamp Protocol</a>	Official
323	TCP	UDP	IMMP, Internet Message Mapping Protocol	Unofficial
350	TCP	UDP	MATIP-Type A, Mapping of Airline Traffic over Internet Protocol	Official
351	TCP	UDP	MATIP-Type B, Mapping of Airline Traffic over Internet Protocol	Official
366	TCP	UDP	ODMR, On-Demand Mail Relay	Official
369	TCP	UDP	Rpc2portmap	Official
370	TCP	UDP	codauth2 – Coda authentication server	Unofficial
370	TCP	UDP	securecast1 – Outgoing packets to NAI's servers, <a href="http://www.nai.com/asp_set/anti_virus/alerts/faq.as">http://www.nai.com/asp_set/anti_virus/alerts/faq.as</a>	Unofficial
371	TCP	UDP	ClearCase albd	Official
383	TCP	UDP	HP data alarm manager	Official
384	TCP	UDP	A Remote Network Server System	Official
387	TCP	UDP	AURP, AppleTalk Update-based Routing Protocol	Official
389	TCP	UDP	<a href="#">Lightweight Directory Access Protocol</a> (LDAP)	Official
401	TCP	UDP	<a href="#">UPS</a> Uninterruptible Power Supply	Official
402	TCP		<a href="#">Altiris</a> , Altiris Deployment Client	Unofficial
411	TCP		<a href="#">Direct Connect</a> Hub	Unofficial
412	TCP		<a href="#">Direct Connect</a> Client-to-Client	Unofficial
427	TCP	UDP	<a href="#">Service Location Protocol</a> (SLP)	Official
443	TCP		<a href="#">HTTPS</a> ( <a href="#">Hypertext Transfer Protocol</a> over <a href="#">SSL/TLS</a> )	Official
444	TCP	UDP	<a href="#">SNPP</a> , Simple Network Paging Protocol ( <a href="#">RFC 1568</a> )	Official
445	TCP		Microsoft-DS <a href="#">Active Directory</a> , Windows shares	Official
445	TCP		Microsoft-DS <a href="#">SMB</a> file sharing	Official
464	TCP	UDP	<a href="#">Kerberos</a> Change/Set password	Official
465	TCP		Cisco protocol	Unofficial
465	TCP		<a href="#">SMTP</a> over <a href="#">SSL</a>	Unofficial

475	TCP		tcpnethaspsrv ( <a href="#">Aladdin Knowledge Systems</a> Hasp services, TCP/IP version)	Official
497	TCP		<a href="#">Dantz Retrospect</a>	Official
500	TCP		<a href="#">Internet Security Association and Key Management Protocol</a> (ISAKMP)	Official
501	TCP		<a href="#">STMF</a> , Simple Transportation Management Framework – DOT NTCIP 1101	Unofficial
502	TCP	UDP	<a href="#">Modbus</a> , Protocol	Unofficial
504	TCP	UDP	<a href="#">Citadel</a> – multiservice protocol for dedicated clients for the Citadel groupware system	Official
510	TCP		First Class Protocol	Unofficial
512	TCP		<a href="#">Rexec</a> , Remote Process Execution	Official
512		UDP	comsat, together with <a href="#">biff</a>	Official
513	TCP		<a href="#">rlogin</a>	Official
513		UDP	Who	Official
514	TCP		<a href="#">Shell</a> —used to execute non-interactive commands on a remote system (Remote Shell, rsh, remsh)	Official
514		UDP	<a href="#">Syslog</a> —used for system logging	Official
515	TCP		<a href="#">Line Printer Daemon</a> —print service	Official
517		UDP	Talk	Official
518		UDP	NTalk	Official
520	TCP		efs, extended file name server	Official
520		UDP	<a href="#">Routing Information Protocol</a> (RIP)	Official
524	TCP	UDP	<a href="#">NetWare Core Protocol</a> (NCP) is used for a variety things such as access to primary NetWare server resources, Time Synchronization, etc.	Official
525		UDP	Timed, <a href="#">Timeserver</a>	Official
530	TCP	UDP	<a href="#">RPC</a>	Official
531	TCP	UDP	AOL Instant Messenger, IRC	Unofficial
532	TCP		netnews	Official
533		UDP	netwall, For Emergency Broadcasts	Official
540	TCP		<a href="#">UUCP</a> (Unix-to-Unix Copy Protocol)	Official
542	TCP	UDP	<a href="#">commerce</a> (Commerce Applications)	Official
543	TCP		klogin, <a href="#">Kerberos</a> login	Official
544	TCP		kshell, <a href="#">Kerberos</a> Remote shell	Official
545	TCP		<a href="#">OSISoft</a> PI (VMS), OSISoft PI Server Client Access	Unofficial
546	TCP	UDP	<a href="#">DHCPv6</a> client	Official
547	TCP	UDP	<a href="#">DHCPv6</a> server	Official
548	TCP		<a href="#">Apple Filing Protocol</a> (AFP) over <a href="#">TCP</a>	Official
550		UDP	new-rwho, new-who	Official
554	TCP	UDP	<a href="#">Real Time Streaming Protocol</a> (RTSP)	Official
556	TCP		Remotefs, <a href="#">RFS</a> , rfs_server	Official
560		UDP	rmonitor, Remote Monitor	Official
561		UDP	monitor	Official
563	TCP	UDP	<a href="#">NNTP</a> protocol over <a href="#">TLS/SSL</a> (NNTPS)	Official
587	TCP		<a href="#">e-mail message submission</a> <sup>[10]</sup> ( <a href="#">SMTP</a> )	Official
591	TCP		<a href="#">FileMaker</a> 6.0 (and later) Web Sharing (HTTP Alternate, also	Official

			see port 80)	
593	TCP	UDP	HTTP RPC Ep Map, <a href="#">Remote procedure call</a> over <a href="#">Hypertext Transfer Protocol</a> , often used by <a href="#">Distributed Component Object Model</a> services and <a href="#">Microsoft Exchange Server</a>	Official
604	TCP		TUNNEL profile <sup>[11]</sup> , a protocol for <a href="#">BEEP peers</a> to form an <a href="#">application layer tunnel</a>	Official
623		UDP	ASF Remote Management and Control Protocol (ASF-RMCP)	Official
631	TCP	UDP	<a href="#">Internet Printing Protocol</a> (IPP)	Official
636	TCP	UDP	<a href="#">Lightweight Directory Access Protocol</a> over <a href="#">TLS/SSL</a> (LDAPS)	Official
639	TCP	UDP	MSDP, <a href="#">Multicast Source Discovery Protocol</a>	Official
641	TCP	UDP	SupportSoft Nexus Remote Command (control/listening): A proxy gateway connecting remote control traffic	Official
646	TCP	UDP	LDP, <a href="#">Label Distribution Protocol</a> , a routing protocol used in <a href="#">MPLS</a> networks	Official
647	TCP		<a href="#">DHCP Failover</a> protocol <sup>[12]</sup>	Official
648	TCP		RRP (Registry Registrar Protocol) <sup>[13]</sup>	Official
652	TCP		DTCP, Dynamic Tunnel Configuration Protocol	Unofficial
653	TCP	UDP	SupportSoft Nexus Remote Command (data): A proxy gateway connecting remote control traffic	Official
654	TCP		Media Management System (MMS) Media Management Protocol (MMP) <sup>[14]</sup>	Official
657	TCP	UDP	<a href="#">IBM</a> RMC (Remote monitoring and Control) protocol, used by <a href="#">System p5 AIX</a> Integrated Virtualization Manager (IVM) <sup>[15]</sup> and <a href="#">Hardware Management Console</a> to connect managed <a href="#">logical partitions (LPAR)</a> to enable dynamic partition reconfiguration	Official
660	TCP		Mac OS X Server administration	Official
665	TCP		sun-dr, Remote Dynamic Reconfiguration	Unofficial
666		UDP	<a href="#">Doom</a> , first online <a href="#">first-person shooter</a>	Official
674	TCP		ACAP ( <a href="#">Application Configuration Access Protocol</a> )	Official
691	TCP		<a href="#">MS Exchange</a> Routing	Official
692	TCP		Hyperwave-ISP	Official
694	TCP	UDP	<a href="#">Linux-HA</a> High availability Heartbeat	Official
695	TCP		IEEE-MMS-SSL ( <a href="#">IEEE</a> Media Management System over <a href="#">SSL</a> ) <sup>[16]</sup>	Official
698		UDP	<a href="#">OLSR</a> ( <a href="#">Optimized Link State Routing</a> )	Official
699	TCP		Access Network	Official
700	TCP		EPP ( <a href="#">Extensible Provisioning Protocol</a> ), a protocol for communication between <a href="#">domain name registries</a> and <a href="#">registrars</a> ( <a href="#">RFC 5734</a> )	Official
701	TCP		LMP (Link Management Protocol ( <a href="#">Internet</a> )) <sup>[17]</sup> , a protocol that runs between a pair of <a href="#">nodes</a> and is used to manage <a href="#">traffic engineering</a> (TE) <a href="#">links</a>	Official
702	TCP		IRIS <sup>[18][19]</sup> (Internet Registry Information Service) over <a href="#">BEEP</a> (Blocks Extensible Exchange Protocol) <sup>[20]</sup> ( <a href="#">RFC 3983</a> )	Official
706	TCP		<a href="#">Secure Internet Live Conferencing</a> (SILC)	Official
711	TCP		<a href="#">Cisco Tag Distribution Protocol</a> <sup>[21][22][23]</sup> —being replaced by the <a href="#">MPLS</a> Label Distribution Protocol <sup>[24]</sup>	Official
712	TCP		<a href="#">Topology Broadcast based on Reverse-Path Forwarding routing protocol</a> (TBRPF) ( <a href="#">RFC 3684</a> )	Official
712		UDP	Promise RAID Controller	Unofficial

720	TCP		SMQP, Simple Message Queue Protocol	Unofficial
749	TCP	UDP	<a href="#">Kerberos (protocol)</a> administration	Official
750	TCP		rfile	Official
750		UDP	loadav	Official
750		UDP	kerberos-iv, <a href="#">Kerberos</a> version IV	Official
751	TCP	UDP	pump	Official
751	TCP	UDP	kerberos_master, <a href="#">Kerberos</a> authentication	Unofficial
752	TCP		qrh	Official
752		UDP	qrh	Official
752		UDP	passwd_server, <a href="#">Kerberos</a> Password (kpasswd) server	Unofficial
753	TCP		Reverse Routing Header (rrh) <sup>[25]</sup>	Official
753		UDP	Reverse Routing Header (rrh)	Official
753		UDP	userreg_server, <a href="#">Kerberos</a> userreg server	Unofficial
754	TCP		tell send	Official
754	TCP		krb5_prop, <a href="#">Kerberos</a> v5 slave propagation	Unofficial
754		UDP	tell send	Official
760	TCP	UDP	ns	Official
760	TCP	UDP	krbupdate [kreg], <a href="#">Kerberos</a> registration	Unofficial
782	TCP		<a href="#">Conserver</a> serial-console management server	Unofficial
783	TCP		<a href="#">SpamAssassin</a> spamd daemon	Unofficial
829	TCP		CMP (Certificate Management Protocol)	Unofficial
843	TCP		<a href="#">Adobe Flash socket policy server</a>	Unofficial
860	TCP		<a href="#">iSCSI</a> ( <a href="#">RFC 3720</a> )	Official
873	TCP		<a href="#">rsync</a> file synchronisation protocol	Official USA only
888	TCP		cddbp, <a href="#">CD DataBase</a> ( <a href="#">CDDb</a> ) protocol (CDDBP)—unassigned but widespread use	Unofficial
901	TCP		<a href="#">Samba</a> Web Administration Tool (SWAT)	Unofficial
901	TCP	UDP	<a href="#">VMware</a> Virtual Infrastructure Client (UDP from server being managed to management console)	Unofficial
902	TCP		ideafarm-door 902/tcp self documenting Door: send 0x00 for info	Official
902	TCP		<a href="#">VMware</a> Server Console (TCP from management console to server being Managed)	Unofficial
902		UDP	ideafarm-door	Official
902		UDP	<a href="#">VMware</a> Server Console (UDP from server being managed to management console)	Unofficial
903	TCP		<a href="#">VMware</a> Remote Console <sup>[26]</sup>	Unofficial
904	TCP		<a href="#">VMware</a> Server Alternate (if 902 is in use, i.e. SUSE linux)	Unofficial
911	TCP		<a href="#">Network Console on Acid</a> (NCA)—local <a href="#">tty</a> redirection over <a href="#">OpenSSH</a>	Unofficial
953	TCP	UDP	<a href="#">Domain Name System</a> (DNS) RNDc Service	Unofficial
981	TCP		<a href="#">SofaWare Technologies</a> Remote HTTPS management for firewall devices running embedded <a href="#">Check Point FireWall-1</a> software	Unofficial
989	TCP	UDP	<a href="#">FTPS</a> Protocol (data): <a href="#">FTP</a> over <a href="#">TLS/SSL</a>	Official
990	TCP	UDP	<a href="#">FTPS</a> Protocol (control): <a href="#">FTP</a> over <a href="#">TLS/SSL</a>	Official
991	TCP	UDP	<a href="#">NAS</a> ( <a href="#">Netnews</a> Administration System)	Official

992	TCP	UDP	<a href="#">TELNET</a> protocol over <a href="#">TLS/SSL</a>	Official
993	TCP		<a href="#">Internet Message Access Protocol</a> over <a href="#">SSL</a> (IMAPS)	Official
995	TCP		<a href="#">Post Office Protocol</a> 3 over <a href="#">TLS/SSL</a> (POP3S)	Official
999	TCP		<a href="#">ScimoreDB</a> Database System	Unofficial
1001	TCP		JtoMB	Unofficial
1002	TCP		Opsware agent (aka cogbot)	Unofficial
1023	TCP	UDP	Reserved <sup>[1]</sup>	Official

### [\[edit\]](#) Registered ports: 1024–49151

Only those ports that are commonly used are listed; for full list, refer to the IANA port list.<sup>[1]</sup>

When investigating TCP traffic, be careful not to confuse the client and server ports. The client port is incremental, typically beginning at 1024 at boot time and wrapping at 4096. If the port you are investigating is in the lower part of this range, it may be a client port. Stateful firewalls identify the server port, but packet sniffers and stateless firewalls do not. For example, a packet sniffer showing a TCP packet with source port 1080 and destination port 1494 might be either the [SOCKeTS](#) or [Citrix Independent Computing Architecture \(ICA\)](#) protocols. The only way to know for sure is to examine the initial TCP handshake.

With UDP, client port selection depends on the application and may be incremental, fixed to a nonsensical value, or fixed equal to the server port.

Port	TCP	UDP	Description	Status
1024	TCP	UDP	Reserved <sup>[1]</sup>	Official
1025	TCP		<a href="#">NFS-or-IIS</a>	Unofficial
1026	TCP		Often utilized by Microsoft <a href="#">DCOM</a> services	Unofficial
1029	TCP		Often utilized by Microsoft <a href="#">DCOM</a> services	Unofficial
1058	TCP	UDP	nim, <a href="#">IBM AIX Network Installation Manager</a> (NIM)	Official
1059	TCP	UDP	nimreg, <a href="#">IBM AIX Network Installation Manager</a> (NIM)	Official
1080	TCP		<a href="#">SOCKS</a> proxy	Official
1085	TCP	UDP	<a href="#">WebObjects</a>	Official
1098	TCP	UDP	rmiactivation, <a href="#">RMI</a> Activation	Official
1099	TCP	UDP	rmiregistry, <a href="#">RMI</a> Registry	Official
1109	TCP	UDP	Reserved <sup>[1]</sup>	Official
1109	TCP		<a href="#">Kerberos</a> Post Office Protocol ( <a href="#">KPOP</a> )	Unofficial
1111		UDP	<a href="#">EasyBits</a> School network discovery protocol (for Intel's CMPC platform)	Unofficial
1140	TCP	UDP	<a href="#">AutoNOC</a> protocol	Official
1167		UDP	phone, conference calling	Unofficial
1169	TCP	UDP	Tripwire	Official
1176	TCP		<a href="#">Perceptive Automation Indigo Home automation</a> server	Official
1182	TCP	UDP	<a href="#">AcceleNet Intelligent Transfer Protocol</a>	Official
1194	TCP	UDP	<a href="#">OpenVPN</a>	Official
1198	TCP	UDP	The <a href="#">cajo project</a> Free dynamic transparent distributed computing in Java	Official



1200	TCP		scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request <sup>[27]</sup>	Official
1200		UDP	scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request	Official
1200		UDP	<a href="#">Steam Friends Applet</a>	Unofficial
1214	TCP		<a href="#">Kazaa</a>	Official
1217	TCP		<a href="#">Uvora Online</a>	Unofficial
1220	TCP		<a href="#">QuickTime Streaming Server</a> administration	Official
1223	TCP	UDP	TGP, <a href="#">TrulyGlobal</a> Protocol, also known as "The Gur Protocol" (named for Gur Kimchi of TrulyGlobal)	Official
1234		UDP	<a href="#">VLC media player</a> Default port for UDP/RTP stream	Unofficial
1236	TCP		<a href="#">Symantec BindView Control UNIX</a> Default port for TCP management server connections	Unofficial
1241	TCP	UDP	<a href="#">Nessus</a> Security Scanner	Official
12489	TCP		NSClient/NSClient++/NC_Net (Nagios)	Unofficial
1270	TCP	UDP	<a href="#">Microsoft System Center Operations Manager</a> (SCOM) (formerly Microsoft Operations Manager (MOM)) agent	Official
1293	TCP	UDP	<a href="#">IPSec</a> (Internet Protocol Security)	Official
1311	TCP		Dell Open Manage HTTPS	Unofficial
1313	TCP		Xbiim (Canvii server)	Unofficial
1337	TCP	UDP	Men and Mice DNS	Official
1337	TCP		<a href="#">PowerFolder</a> P2P Encrypted File Synchronization Program	Unofficial
1337	TCP		<a href="#">WASTE</a> Encrypted File Sharing Program	Unofficial
1352	TCP		<a href="#">IBM Lotus Notes/Domino Remote Procedure Call (RPC)</a> protocol	Official
1387	TCP	UDP	cadsim, <a href="#">LMS International</a> (formerly Computer Aided Design Software, Inc. (CADSI)) LM	Official
1414	TCP		<a href="#">IBM WebSphere MQ</a> (formerly known as <a href="#">MQSeries</a> )	Official
1417	TCP	UDP	Timbuktu Service 1 Port	Official
1418	TCP	UDP	Timbuktu Service 2 Port	Official
1419	TCP	UDP	Timbuktu Service 3 Port	Official
1420	TCP	UDP	Timbuktu Service 4 Port	Official
1431	TCP		<a href="#">Reverse Gossip Transport Protocol (RGTP)</a> , used to access a General-purpose Reverse-Ordered Gossip Gathering System ( <a href="#">GROGGS</a> ) <a href="#">bulletin board</a> , such as that implemented on the <a href="#">Cambridge University's Phoenix system</a>	Official
1433	TCP		MSSQL ( <a href="#">Microsoft SQL Server database management system</a> ) Server	Official
1434		UDP	MSSQL ( <a href="#">Microsoft SQL Server database management system</a> ) Monitor	Official
1470	TCP		Solarwinds Kiwi Log Server	Official
1494	TCP		<a href="#">Citrix XenApp Independent Computing Architecture</a> (ICA) <a href="#">thin client protocol</a>	Official
1500	TCP		<a href="#">NetGuard GuardianPro</a> firewall (NT4-based) Remote Management	Unofficial
1501		UDP	<a href="#">NetGuard GuardianPro</a> firewall (NT4-based)	Unofficial



			Authentication Client	
1503	TCP	UDP	<a href="#">Windows Live Messenger</a> (Whiteboard and Application Sharing)	Unofficial
1512	TCP	UDP	<a href="#">Microsoft Windows Internet Name Service (WINS)</a>	Official
1513	TCP	UDP	<a href="#">Garena Garena Gaming Client</a>	Official
1521	TCP		nCube License Manager	Official
1521	TCP		<a href="#">Oracle database</a> default listener, in future releases official port 2483	Unofficial
1524	TCP	UDP	ingreslock, ingres	Official
1526	TCP		<a href="#">Oracle database</a> common alternative for listener	Unofficial
1533	TCP		IBM <a href="#">Sametime</a> IM—Virtual Places Chat <a href="#">Microsoft SQL Server</a>	Official
1547	TCP	UDP	<a href="#">Laplink</a>	Official
1550			<a href="#">Gadu-Gadu</a> (direct client-to-client)	Unofficial
1581		UDP	<a href="#">MIL STD 2045-47001 VMF</a>	Official
1589		UDP	Cisco <a href="#">VQP</a> (VLAN Query Protocol) / <a href="#">VMPS</a>	Unofficial
1645	TCP	UDP	radius/radacct, <a href="#">RADIUS</a> authentication protocol (default for <a href="#">Cisco</a> and <a href="#">Juniper Networks</a> RADIUS servers)	Unofficial
1627			iSketch	Unofficial
1677	TCP	UDP	<a href="#">Novell GroupWise</a> clients in client/server access mode	Official
1701		UDP	<a href="#">Layer 2 Forwarding Protocol</a> (L2F) & <a href="#">Layer 2 Tunneling Protocol</a> (L2TP)	Official
1716	TCP		<a href="#">America's Army Massively multiplayer online game (MMO)</a>	Unofficial
1719		UDP	<a href="#">H.323</a> Registration and alternate communication	Official
1720	TCP		<a href="#">H.323</a> Call signalling	Official
1723	TCP	UDP	Microsoft <a href="#">Point-to-Point Tunneling Protocol</a> (PPTP)	Official
1725		UDP	Valve Steam Client	Unofficial
1755	TCP	UDP	<a href="#">Microsoft Media Services</a> (MMS, ms-streaming)	Official
1761	TCP	UDP	cft-0	Official
1761	TCP		<a href="#">Novell Zenworks</a> Remote Control utility	Unofficial
1762–1768	TCP	UDP	cft-1 to cft-7	Official
1801	TCP	UDP	<a href="#">Microsoft Message Queuing</a>	Official
1812	TCP	UDP	radius, <a href="#">RADIUS</a> authentication protocol	Official
1813	TCP	UDP	radacct, <a href="#">RADIUS</a> accounting protocol	Official
1863	TCP		<a href="#">MSN</a> ( <a href="#">Microsoft Notification Protocol</a> ), used by the <a href="#">.NET Messenger Service</a> and a number of <a href="#">Instant Messaging clients</a>	Official
1900		UDP	Microsoft <a href="#">SSDP</a> Enables discovery of <a href="#">UPnP</a> devices	Official
1920	TCP		IBM Tivoli Monitoring Console (https)	Unofficial
1935	TCP		<a href="#">Adobe Systems Macromedia Flash Real Time Messaging Protocol (RTMP)</a> "plain" protocol	Official
1947	TCP		hasplm, Aladdin HASP Licenz Manager	Official
1967		UDP	Cisco IOS IP Service Level Agreements (IP SLAs) Control Protocol	Unofficial

1970	TCP	UDP	<a href="#">Danware NetOp</a> Remote Control	Official
1971	TCP	UDP	<a href="#">Danware NetOp</a> School	Official
1972	TCP	UDP	<a href="#">InterSystems Caché</a>	Official
1975– 1977		UDP	Cisco <a href="#">TCO</a> ( <a href="#">Documentation</a> )	Official
1984	TCP		<a href="#">Big Brother</a> System and Network Monitor	Official
1985		UDP	<a href="#">Cisco HSRP</a>	Official
1994	TCP	UDP	<a href="#">Cisco</a> STUN-SDLC (Serial Tunneling— <a href="#">Synchronous Data Link Control</a> ) protocol	Official
1997	TCP		Chizmo Networks Transfer Tool	Unofficial
1998	TCP	UDP	<a href="#">Cisco</a> X.25 over TCP ( <a href="#">XOT</a> ) service	Official
2000	TCP	UDP	<a href="#">Cisco SCCP (Skinny)</a>	Official
2001		UDP	<a href="#">CAPTAN Test Stand System</a>	Unofficial
2002	TCP		Secure Access Control Server (ACS) for Windows	Unofficial
2030			<a href="#">Oracle</a> Services for <a href="#">Microsoft Transaction Server</a>	Unofficial
2031	TCP	UDP	mobrien-chat—obsolete ( <a href="#">ex-http://www.mobrien.com</a> )	Official
2041	TCP		Mail.Ru Agent communication protocol	Unofficial
2049		UDP	<a href="#">Network File System</a>	Official
2049		UDP	shilp	Official
2053		UDP	lot105-ds-upd Lot105 DSuper Updates	Official
2053	TCP		lot105-ds-upd Lot105 DSuper Updates	Official
2053	TCP		knetd <a href="#">Kerberos</a> de-multiplexor	Unofficial
2056		UDP	<a href="#">Civilization 4</a> multiplayer	Unofficial
2073	TCP	UDP	DataReel Database	Official
2074	TCP	UDP	Vertel VMF SA (i.e. App.. SpeakFreely)	Official
2082	TCP		Infowave Mobility Server	Official
2082	TCP		<a href="#">CPanel</a> default	Unofficial
2083	TCP		Secure Radius Service (radsec)	Official
2083	TCP		<a href="#">CPanel</a> default <a href="#">SSL</a>	Unofficial
2086	TCP		<a href="#">GUNet</a>	Official
2086	TCP		<a href="#">WebHost Manager</a> default	Unofficial
2087	TCP		<a href="#">WebHost Manager</a> default <a href="#">SSL</a>	Unofficial
2095	TCP		<a href="#">CPanel</a> default Web mail	Unofficial
2096	TCP		<a href="#">CPanel</a> default <a href="#">SSL</a> Web mail	Unofficial
2102	TCP	UDP	zephyr-srv <a href="#">Project Athena</a> Zephyr Notification Service server	Official
2103	TCP	UDP	zephyr-clt <a href="#">Project Athena</a> Zephyr Notification Service serv-hm connection	Official
2104	TCP	UDP	zephyr-hm <a href="#">Project Athena</a> Zephyr Notification Service hostmanager	Official
2105	TCP	UDP	<a href="#">IBM</a> MiniPay	Official
2105	TCP	UDP	eklogin <a href="#">Kerberos</a> encrypted remote login (rlogin)	Unofficial
2105	TCP	UDP	zephyr-hm-srv <a href="#">Project Athena</a> Zephyr Notification Service hm-serv connection (should use port 2102)	Unofficial
2144	TCP		Iron Mountain LiveVault Agent	UnOfficial
2145	TCP		Iron Mountain LiveVault Agent	UnOfficial

2161	TCP		<a href="#">APC</a> Agent	Official
2181	TCP	UDP	<a href="#">EForward</a> -document transport system	Official
2190		UDP	TiVoConnect Beacon	Unofficial
2200		UDP	Tuxanci game server <sup>[28]</sup>	Unofficial
2210	TCP	UDP	NOAAPORT Broadcast Network	Official
2210	TCP		<a href="#">MikroTik</a> Remote management for "The Dude"	Unofficial
2211	TCP	UDP	EMWIN	Official
2211	TCP		<a href="#">MikroTik</a> Secure management for "The Dude"	Unofficial
2212	TCP	UDP	LeeCO POS Server Service	Official
2212	TCP		<a href="#">Port-A-Pour</a> Remote WinBatch	Unofficial
2219	TCP	UDP	<a href="#">NetIQ</a> NCAP Protocol	Official
2220	TCP	UDP	<a href="#">NetIQ</a> End2End	Official
2221	TCP		<a href="#">ESET</a> Anti-virus updates	Unofficial
2222	TCP		<a href="#">DirectAdmin</a> default & <a href="#">ESET</a> Remote Administration	Unofficial
2223		UDP	Microsoft Office OS X antipiracy network monitor	Unofficial
2261	TCP	UDP	CoMotion Master	Official
2262	TCP	UDP	CoMotion Backup	Official
2301	TCP		HP System Management Redirect to port 2381	Unofficial
2302		UDP	<a href="#">ArmA</a> multiplayer (default for game)	Unofficial
2302		UDP	<a href="#">Halo: Combat Evolved</a> multiplayer	Unofficial
2303		UDP	<a href="#">ArmA</a> multiplayer (default for server reporting) (default port for game +1)	Unofficial
2305		UDP	<a href="#">ArmA</a> multiplayer (default for VoN) (default port for game +3)	Unofficial
2369	TCP		Default for <a href="#">BMC Software Control-M/Server</a> —Configuration Agent, though often changed during installation	Official
2370	TCP		Default for <a href="#">BMC Software Control-M/Server</a> —to allow the <a href="#">Control-M/Enterprise Manager</a> to connect to the <a href="#">Control-M/Server</a> , though often changed during installation	Official
2381	TCP		HP Insight Manager default for Web server	Unofficial
2401	TCP		<a href="#">CVS</a> version control system	Unofficial
2404	TCP		<a href="#">IEC 60870-5</a> [[IEC 60870-5-104	
2420		UDP	Westell Remote Access	Official
2427		UDP	Cisco <a href="#">MGCP</a>	Official
2447	TCP	UDP	ovwdb— <a href="#">OpenView</a> <a href="#">Network Node Manager</a> (NNM) daemon	Official
2483	TCP	UDP	<a href="#">Oracle database</a> listening for unsecure client connections to the listener, replaces port 1521	Official
2484	TCP	UDP	<a href="#">Oracle database</a> listening for <a href="#">SSL</a> client connections to the listener	Official
2500	TCP		THEÒSMESSENGER listening for TheòsMessenger client connections	Official
2546	TCP	UDP	EVault—Data Protection Services	Unofficial
2593	TCP	UDP	RunUO— <a href="#">Ultima Online</a> server	Unofficial
2598	TCP		new ICA—when Session Reliability is enabled, TCP port 2598 replaces port 1494	Unofficial

2599	TCP		SonicWALL Antispam traffic between Remote Analyzer (RA) and Control Center (CC)	Unofficial
2610	TCP		<a href="#">Dark Ages</a>	Unofficial
2612	TCP	UDP	QPasa from MQSoftware	Official
2638	TCP		Sybase database listener	Unofficial
2700–2800	TCP		KnowShowGo P2P	Official
2710	TCP		XBT Bittorrent Tracker	Unofficial
2710		UDP	XBT Bittorrent Tracker experimental UDP tracker extension	Unofficial
2710	TCP		Knuddels.de	Unofficial
2713	TCP	UDP	Raven Trinity Broker Service	Official
2714	TCP	UDP	Raven Trinity Data Mover	Official
2735	TCP	UDP	<a href="#">NetIQ</a> Monitor Console	Official
2809	TCP		corbaloc:iiop URL, per the <a href="#">CORBA</a> 3.0.3 specification	Official
2809	TCP		IBM <a href="#">WebSphere Application Server</a> (WAS) <a href="#">Bootstrap/rmi default</a>	Unofficial
2809		UDP	corbaloc:iiop URL, per the <a href="#">CORBA</a> 3.0.3 specification.	Official
2868	TCP	UDP	Norman Proprietary Event Protocol NPEP	Official
2944		UDP	<a href="#">Megaco</a> Text H.248	Unofficial
2945		UDP	<a href="#">Megaco</a> Binary (ASN.1) H.248	Unofficial
2947	TCP		<a href="#">gpsd</a> GPS daemon	Official
2948	TCP	UDP	<a href="#">WAP</a> -push <a href="#">Multimedia Messaging Service</a> (MMS)	Official
2949	TCP	UDP	<a href="#">WAP</a> -pushsecure <a href="#">Multimedia Messaging Service</a> (MMS)	Official
2967	TCP		Symantec AntiVirus Corporate Edition	Unofficial
3000	TCP		Miralix License server	Unofficial
3000		UDP	<a href="#">Distributed Interactive Simulation</a> (DIS), modifiable default	Unofficial
3001	TCP		Miralix Phone Monitor	Unofficial
3001	TCP		Opware server (Satellite)	Unofficial
3002	TCP		Miralix CSTA	Unofficial
3003	TCP		Miralix GreenBox API	Unofficial
3004	TCP		Miralix InfoLink	Unofficial
3005	TCP		Miralix TimeOut	Unofficial
3006	TCP		Miralix SMS Client Connector	Unofficial
3007	TCP		Miralix OM Server	Unofficial
3017	TCP		Miralix IVR and Voicemail	Unofficial
3025	TCP		netpd.org	Unofficial
3030	TCP	UDP	<a href="#">NetPanzer</a>	Unofficial
3050	TCP	UDP	gds_db ( <a href="#">Interbase</a> / <a href="#">Firebird</a> )	Official
3051	TCP	UDP	Galaxy Server (Gateway Ticketing Systems)	Official
3074	TCP	UDP	<a href="#">Xbox LIVE</a> and/or <a href="#">Games for Windows - LIVE</a>	Official
3100	TCP		<a href="#">HTTP</a> used by Tatsoft as the default listen port	Unofficial
3101	TCP		<a href="#">Blackberry Enterprise Server</a> communication to cloud	Unofficial
3128	TCP		<a href="#">HTTP</a> used by <a href="#">Web caches</a> and the default for the <a href="#">Squid cache</a>	Unofficial

3128	TCP		<a href="#">HTTP</a> used by Tatsoft as the default client connection	Unofficial
3225	TCP	UDP	<a href="#">FCIP</a> (Fiber Channel over Internet Protocol)	Official
3233	TCP	UDP	<a href="#">WhiskerControl</a> research control protocol	Official
3235	TCP	UDP	Galaxy Network Service (Gateway Ticketing Systems)	Official
3260	TCP		<a href="#">iSCSI</a> target	Official
3268	TCP	UDP	msft-gc, Microsoft Global Catalog ( <a href="#">LDAP</a> service which contains data from <a href="#">Active Directory</a> forests)	Official
3269	TCP	UDP	msft-gc-ssl, Microsoft Global Catalog over <a href="#">SSL</a> (similar to port 3268, <a href="#">LDAP</a> over <a href="#">SSL</a> )	Official
3283	TCP		<a href="#">Apple Remote Desktop</a> reporting (officially <i>Net Assistant</i> , referring to an earlier product)	Official
3299	TCP		SAP-Router (routing application proxy for <a href="#">SAP R/3</a> )	Unofficial
3300	TCP	UDP	Debate Gopher backend database system	Unofficial
3305	TCP	UDP	odette-ftp, <a href="#">Odette File Transfer Protocol</a> ( <a href="#">OFTP</a> )	Official
3306	TCP	UDP	<a href="#">MySQL</a> database system	Official
3333	TCP		Network Caller ID server	Unofficial
3386	TCP	UDP	<a href="#">GTP'</a> <a href="#">3GPP GSM/UMTS CDR</a> logging protocol	Official
3389	TCP	UDP	Microsoft Terminal Server ( <a href="#">RDP</a> ) officially registered as Windows Based Terminal (WBT) - <a href="#">Link</a>	Official
3396	TCP	UDP	<a href="#">Novell</a> NDPS Printer Agent	Official
3455	TCP	UDP	[RSVP] Reservation Protocol	Official
3423	TCP		<a href="#">Xware</a> xTrm Communication Protocol	Official
3424	TCP		<a href="#">Xware</a> xTrm Communication Protocol over SSL	Official
3478	TCP	UDP	<a href="#">STUN</a> , a protocol for NAT traversal	Official
3483		UDP	<a href="#">Slim Devices</a> discovery protocol	Official
3483	TCP		<a href="#">Slim Devices</a> SlimProto protocol	Official
3516	TCP	UDP	Smartcard Port	Official
3527		UDP	<a href="#">Microsoft Message Queuing</a>	Official
3532	TCP	UDP	Raven Remote Management Control	Official
3533	TCP	UDP	Raven Remote Management Data	Official
3537	TCP	UDP	ni-visa-remote	Unofficial
3544		UDP	<a href="#">Teredo tunneling</a>	Official
3605		UDP	ComCam IO Port	Official
3606	TCP	UDP	Splitlock Server	Official
3632	TCP		<a href="#">distributed compiler</a>	Official
3689	TCP		<a href="#">Digital Audio Access Protocol</a> (DAAP)—used by <a href="#">Apple's iTunes</a> and <a href="#">AirPort Express</a>	Official
3690	TCP	UDP	<a href="#">Subversion</a> version control system	Official
3702	TCP	UDP	<a href="#">Web Services Dynamic Discovery</a> (WS-Discovery), used by various components of <a href="#">Windows Vista</a>	Official
3723	TCP	UDP	Used by many Battle.net Blizzard games ( <a href="#">Diablo II</a> , <a href="#">Warcraft II</a> , <a href="#">Warcraft III</a> , <a href="#">StarCraft</a> )	Unofficial
3724	TCP	UDP	<a href="#">World of Warcraft</a> Online gaming MMORPG	Unofficial
3724	TCP		<a href="#">Club Penguin</a> Disney online game for kids	Unofficial
3784	TCP	UDP	<a href="#">Ventrilo</a> VoIP program used by <a href="#">Ventrilo</a>	Unofficial
3785		UDP	<a href="#">Ventrilo</a> VoIP program used by <a href="#">Ventrilo</a>	Unofficial

3800	TCP		Used by HGG programs	Unofficial
3880	TCP	UDP	IGRS	Unknown
3868	TCP	SCTP	<a href="#">Diameter</a> base protocol ( <a href="#">RFC 3588</a> )	Official
3872	TCP		Oracle Management Remote Agent	Unofficial
3899	TCP		<a href="#">Remote Administrator</a>	Unofficial
3900	TCP		udt_os, <a href="#">IBM UniData</a> UDT OS <sup>[29]</sup>	Official
3945	TCP	UDP	EMCADS service, a Giritech product used by G/On	Official
3978		UDP	<a href="#">OpenTTD</a> game serverlist masterserver	Unofficial
3979	TCP	UDP	<a href="#">OpenTTD</a> game	Unofficial
3999	TCP	UDP	Norman distributed scanning service	Official
4000	TCP	UDP	<a href="#">Diablo II</a> game	Unofficial
4001	TCP		<a href="#">Microsoft Ants</a> game	Unofficial
4007	TCP		PrintBuzzer printer monitoring socket server	Unofficial
4018	TCP	UDP	protocol information and warnings	Official
4069		UDP	Minger Email Address Verification Protocol <sup>[30]</sup>	Official
4089	TCP	UDP	OpenCORE Remote Control Service	Official
4093	TCP	UDP	PxPlus Client server interface <a href="#">ProvideX</a>	Official
4096	TCP	UDP	<a href="#">Ascom Timeplex</a> BRE (Bridge Relay Element)	Official
4100			WatchGuard Authentication Applet—default	Unofficial
4111	TCP		<a href="#">Xgrid</a>	Official
4116	TCP	UDP	Smartcard-TLS	Official
4125	TCP		<a href="#">Microsoft Remote Web Workplace</a> administration	Unofficial
4201	TCP		<a href="#">TinyMUD</a> and various derivatives	Unofficial
4226	TCP	UDP	<a href="#">Aleph One (game)</a>	Unofficial
4224	TCP		Cisco Audio Session Tunneling	Unofficial
4321	TCP		<a href="#">Referral Whois (RWhois) Protocol</a> <sup>[31]</sup>	Official
4323		UDP	Lincoln Electric's ArcLink/XT	Unofficial
4500		UDP	<a href="#">IPSec NAT Traversal</a> ( <a href="#">RFC 3947</a> )	Official
4534		UDP	<a href="#">Armagetron Advanced</a> default server port	Unofficial
4569		UDP	<a href="#">Inter-Asterisk eXchange</a>	Official
4610–4640	TCP		<a href="#">QualiSystems</a> TestShell Suite Services	Unofficial
4662	TCP	UDP	OrbitNet Message Service	Official
4662	TCP		often used by <a href="#">eMule</a>	Unofficial
4664	TCP		<a href="#">Google Desktop Search</a>	Unofficial
4672		UDP	<a href="#">eMule</a> —often used	Unofficial
4747	TCP		<a href="#">Apprentice</a>	Unofficial
4750	TCP		<a href="#">BladeLogic</a> Agent	Unofficial
4840	TCP	UDP	OPC UA TCP Protocol for <a href="#">OPC Unified Architecture</a> from <a href="#">OPC Foundation</a>	Official
4843	TCP	UDP	OPC UA TCP Protocol over TLS/SSL for <a href="#">OPC Unified Architecture</a> from <a href="#">OPC Foundation</a>	Official
4847	TCP	UDP	Web Fresh Communication, <a href="#">Quadtrion Software</a> & <a href="#">Odorless Entertainment</a>	Official
4993	TCP	UDP	Home FTP Server web Interface Default Port	
4894	TCP	UDP	<a href="#">LysKOM</a> Protocol A	Official

4899	TCP	UDP	<a href="#">Radmin</a> remote administration tool (program sometimes used by a <a href="#">Trojan horse</a> )	Official
4982	TCP	UDP	Solar Data Log (JK client app for PV solar inverters )	Unofficial
5000	TCP		complex-main	Official
5000	TCP		<a href="#">UPnP</a> —Windows network device interoperability	Unofficial
5000	TCP	UDP	<a href="#">VTun</a> — <a href="#">VPN</a> Software	Unofficial
5001	TCP		complex-link	Official
5001	TCP	UDP	Iperf (Tool for measuring TCP and UDP bandwidth performance)	Unofficial
5001	TCP		<a href="#">Slingbox</a> and Slingplayer	Unofficial
5003	TCP	UDP	<a href="#">FileMaker</a>	Official
5004	TCP	UDP,DCCP	<a href="#">RTP</a> (Real-time Transport Protocol) media data ( <a href="#">RFC 3551</a> , <a href="#">RFC 4571</a> )	Official
5005	TCP	UDP,DCCP	<a href="#">RTP</a> (Real-time Transport Protocol) control protocol ( <a href="#">RFC 3551</a> , <a href="#">RFC 4571</a> )	Official
5031	TCP	UDP	AVM CAPI-over-TCP ( <a href="#">ISDN</a> over <a href="#">Ethernet</a> tunneling)	Unofficial
5050	TCP		<a href="#">Yahoo! Messenger</a>	Unofficial
5051	TCP		ita-agent <a href="#">Symantec</a> Intruder Alert <sup>[32]</sup>	Official
5060	TCP	UDP	<a href="#">Session Initiation Protocol</a> (SIP)	Official
5061	TCP		<a href="#">Session Initiation Protocol</a> (SIP) over <a href="#">TLS</a>	Official
5070	TCP		<a href="#">Session Initiation Protocol</a> (SIP) preferred port for PUBLISH on SIP Trunk to <a href="#">Cisco</a> Unified Presence Server (CUPS)	Unofficial
5084	TCP	UDP	<a href="#">EPCglobal</a> Low Level Reader Protocol ( <a href="#">LLRP</a> )	Official
5085	TCP	UDP	<a href="#">EPCglobal</a> Low Level Reader Protocol ( <a href="#">LLRP</a> ) over <a href="#">TLS</a>	Official
5093		UDP	<a href="#">SPSS</a> (Statistical Package for the Social Sciences) License Administrator	Unofficial
5104	TCP		<a href="#">IBM Tivoli Framework</a> NetCOOL/Impact <sup>[33]</sup> <a href="#">HTTP</a> Service	Unofficial
5106	TCP		A-Talk Common connection	Unofficial
5107	TCP		A-Talk Remote server connection	Unofficial
5110	TCP		<a href="#">ProRat</a> Server	Unofficial
5121	TCP		<a href="#">Neverwinter Nights</a>	Unofficial
5151	TCP		<a href="#">ESRI</a> SDE Instance	Official
5151		UDP	<a href="#">ESRI</a> SDE Remote Start	Official
5154	TCP	UDP	<a href="#">BZFlag</a>	Official
5176	TCP		ConsoleWorks default UI interface	Unofficial
5190	TCP		<a href="#">ICQ</a> and <a href="#">AOL Instant Messenger</a>	Official
5222	TCP		<a href="#">Extensible Messaging and Presence Protocol</a> (XMPP) client connection ( <a href="#">RFC 3920</a> )	Official
5223	TCP		<a href="#">Extensible Messaging and Presence Protocol</a> (XMPP) client connection over <a href="#">SSL</a>	Unofficial
5246		UDP	Control And Provisioning of Wireless Access Points ( <a href="#">CAPWAP</a> ) CAPWAP control ( <a href="#">RFC 5415</a> )	Official
5247		UDP	Control And Provisioning of Wireless Access Points ( <a href="#">CAPWAP</a> ) CAPWAP data ( <a href="#">RFC 5415</a> )	Official
5269	TCP		<a href="#">Extensible Messaging and Presence Protocol</a> (XMPP)	Official



			server connection ( <a href="#">RFC 3920</a> )	
			<a href="#">Extensible Messaging and Presence Protocol</a> (XMPP)	
5298	TCP	UDP	JEP-0174: Link-Local Messaging / <a href="#">XEP-0174: Serverless Messaging</a>	Official
5310	TCP	UDP	Ginever.net data communication port	Unofficial
5311	TCP	UDP	Ginever.net data communication port	Unofficial
5312	TCP	UDP	Ginever.net data communication port	Unofficial
5313	TCP	UDP	Ginever.net data communication port	Unofficial
5314	TCP	UDP	Ginever.net data communication port	Unofficial
5315	TCP	UDP	Ginever.net data communication port	Unofficial
5351	TCP	UDP	<a href="#">NAT Port Mapping Protocol</a> —client-requested configuration for inbound connections through <a href="#">network address translators</a>	Official
5353		UDP	<a href="#">Multicast DNS</a> (mDNS)	Official
5355	TCP	UDP	<a href="#">LLMNR</a> —Link-Local Multicast Name Resolution, allows <a href="#">hosts</a> to perform <a href="#">name resolution</a> for hosts on the same <a href="#">local link</a> (only provided by <a href="#">Windows Vista</a> and <a href="#">Server 2008</a> )	Official
5357	TCP	UDP	Web Services for Devices (WSDAPI) (only provided by <a href="#">Windows Vista</a> , <a href="#">Windows 7</a> and <a href="#">Server 2008</a> )	Unofficial
5358	TCP	UDP	WSDAPI Applications to Use a Secure Channel (only provided by <a href="#">Windows Vista</a> , <a href="#">Windows 7</a> and <a href="#">Server 2008</a> )	Unofficial
5402	TCP	UDP	mftp, Stratacache <a href="#">OmniCast content delivery</a> system	Official
			<a href="#">MFTP file sharing</a> protocol	
5405	TCP	UDP	<a href="#">NetSupport Manager</a>	Official
5421	TCP	UDP	<a href="#">NetSupport Manager</a>	Official
5432	TCP	UDP	<a href="#">PostgreSQL</a> database system	Official
5433	TCP		Bouwsoft file/webserver ( <a href="http://www.bouwsoft.be">http://www.bouwsoft.be</a> )	Unofficial
5445		UDP	<a href="#">Cisco</a> Unified Video Advantage	Unofficial
5450	TCP		<a href="#">OSISoft</a> PI Server Client Access	Unofficial
5495	TCP		<a href="#">Applix</a> TM1 Admin server	Unofficial
5498	TCP		<a href="#">Hotline</a> tracker server connection	Unofficial
5499		UDP	<a href="#">Hotline</a> tracker server discovery	Unofficial
5500	TCP		<a href="#">VNC</a> remote desktop protocol—for incoming listening viewer, <a href="#">Hotline</a> control connection	Unofficial
5501	TCP		<a href="#">Hotline</a> file transfer connection	Unofficial
5517	TCP		<a href="#">Setiqueue</a> Proxy server client for <a href="#">SETI@Home</a> project	Unofficial
5550	TCP		<a href="#">Hewlett-Packard</a> Data Protector	Unofficial
5555	TCP		<a href="#">Freeciv</a> versions up to 2.0, <a href="#">Hewlett-Packard</a> Data Protector, <a href="#">McAfee EndPoint Encryption</a> Database Server, <a href="#">SAP</a>	Unofficial
5556	TCP	UDP	<a href="#">Freeciv</a>	Official
5591	TCP		Tidal Enterprise Scheduler master	Unofficial
5631	TCP		pcANYWHEREdata, <a href="#">Symantec pcAnywhere</a> (version 7.52 and later <sup>[34]</sup> <sup>[35]</sup> ) data	Official
5632		UDP	pcANYWHEREstat, <a href="#">Symantec pcAnywhere</a> (version 7.52 and later) status	Official

5656	TCP		IBM Sametime p2p file transfer	Unofficial
5666	TCP		<a href="#">NRPE</a> ( <a href="#">Nagios</a> )	Unofficial
5667	TCP		NSCA ( <a href="#">Nagios</a> )	Unofficial
5721	TCP		Kaseya	Unofficial
5723	TCP		Operations Manager	Unofficial
5800	TCP		<a href="#">VNC</a> remote desktop protocol—for use over <a href="#">HTTP</a>	Unofficial
5814	TCP	UDP	<a href="#">Hewlett-Packard</a> Support Automation (HP OpenView Self-Healing Services)	Official
5850	TCP		COMIT SE (PCR)	Unofficial
5852	TCP		Adeona client: communications to OpenDHT	Unofficial
5900	TCP	UDP	<a href="#">Virtual Network Computing</a> (VNC) remote desktop protocol (used by <a href="#">Apple Remote Desktop</a> and others)	Official
5912	TCP		Tidal Enterprise Scheduler agent	Unofficial
5938	TCP	UDP	TeamViewer <sup>[36]</sup> remote desktop protocol	Unofficial
5984	TCP	UDP	<a href="#">CouchDB</a> database server	Official
5999	TCP		<a href="#">CVSup</a> <sup>[37]</sup> file update tool	Official
6000	TCP		<a href="#">X11</a> —used between an X client and server over the network	Official
6001		UDP	<a href="#">X11</a> —used between an X client and server over the network	Official
6005	TCP		Default for <a href="#">BMC Software Control-M/Server</a> —Socket used for communication between Control-M processes—though often changed during installation	Official
6005	TCP		Default for Camfrog Chat & Cam Client <a href="http://www.camfrog.com">http://www.camfrog.com</a>	Unofficial
6050	TCP		Brightstor Arcserve Backup	Unofficial
6050	TCP		Nortel Software	Unofficial
6051	TCP		Brightstor Arcserve Backup	Unofficial
6072	TCP		iOperator Protocol Signal Port	Unofficial
6086	TCP		<a href="#">PDTP</a> —FTP like file server in a P2P network	Official
6100	TCP		Vizrt System	Unofficial
6101	TCP		Backup Exec Agent Browser	Unofficial
6110	TCP	UDP	softcm, <a href="#">HP Softbench</a> CM	Official
6111	TCP	UDP	spc, <a href="#">HP Softbench</a> Sub-Process Control	Official
6112	TCP	UDP	"dtspcd"—a network <a href="#">daemon</a> that accepts requests from clients to execute commands and launch applications remotely	Official
6112	TCP		<a href="#">Blizzard's Battle.net</a> gaming service, <a href="#">ArenaNet</a> gaming service	Unofficial
6112	TCP		<a href="#">Club Penguin</a> Disney online game for kids	Unofficial
6113	TCP		<a href="#">Club Penguin</a> Disney online game for kids	Unofficial
6129	TCP		<a href="#">DameWare Remote Control</a>	Official
6257		UDP	<a href="#">WinMX</a> (see also 6699)	Unofficial
6262	TCP		Sybase Advantage Database Server	Unofficial
6343		UDP	<a href="#">SFlow</a> , sFlow traffic monitoring	Unofficial
6346	TCP	UDP	<a href="#">gnutella-svc</a> , Gnutella ( <a href="#">FrostWire</a> , <a href="#">Limewire</a> , <a href="#">Shareaza</a> , etc.)	Official
6347	TCP	UDP	<a href="#">gnutella-rtr</a> , Gnutella alternate	Official

6389	TCP		<a href="#">EMC CLARiiON</a>	Unofficial
6432	TCP		PgBouncer - A connection pooler for PostgreSQL	Official
6444	TCP	UDP	<a href="#">Sun Grid Engine</a> —Qmaster Service	Official
6445	TCP	UDP	<a href="#">Sun Grid Engine</a> —Execution Service	Official
6502	TCP	UDP	Danware Data NetOp Remote Control	Unofficial
6522	TCP		<a href="#">Gobby</a> (and other libobby-based software)	Unofficial
6523	TCP		<a href="#">Gobby</a> 0.5 (and other libinfinity-based software)	Unofficial
6543		UDP	<a href="#">Paradigm Research &amp; Development</a> Jetnet <sup>[38]</sup> default	Unofficial
6566	TCP		<a href="#">SANE</a> (Scanner Access Now Easy)—SANE network scanner daemon	Unofficial
6571			<a href="#">Windows Live FolderShare</a> client	Unofficial
6600	TCP		<a href="#">Music Playing Daemon (MPD)</a>	Unofficial
6619	TCP	UDP	odette-ftp, <a href="#">Odette File Transfer Protocol (OFTP)</a> over <a href="#">TLS/SSL</a>	Official
6646		UDP	<a href="#">McAfee</a> Network Agent	Unofficial
6660–6664	TCP		<a href="#">Internet Relay Chat</a>	Unofficial
6665–6669	TCP		<a href="#">Internet Relay Chat</a>	Official
6679	TCP		<a href="#">IRC SSL</a> (Secure Internet Relay Chat)—often used	Unofficial
6697	TCP		<a href="#">IRC SSL</a> (Secure Internet Relay Chat)—often used	Unofficial
6699	TCP		<a href="#">WinMX</a> (see also 6257)	Unofficial
6771		UDP	<a href="#">Polycom</a> server broadcast	Unofficial
6789	TCP		<a href="#">Datalogger Support Software</a> Campbell Scientific Loggernet Software	Unofficial
6881–6887	TCP	UDP	<a href="#">BitTorrent</a> part of full range of ports used most often	Unofficial
6888	TCP	UDP	MUSE	Official
6888	TCP	UDP	<a href="#">BitTorrent</a> part of full range of ports used most often	Unofficial
6889–6890	TCP	UDP	<a href="#">BitTorrent</a> part of full range of ports used most often	Unofficial
6891–6900	TCP	UDP	<a href="#">BitTorrent</a> part of full range of ports used most often	Unofficial
6891–6900	TCP	UDP	<a href="#">Windows Live Messenger</a> (File transfer)	Unofficial
6901	TCP	UDP	<a href="#">Windows Live Messenger</a> (Voice)	Unofficial
6901	TCP	UDP	<a href="#">BitTorrent</a> part of full range of ports used most often	Unofficial
6902–6968	TCP	UDP	<a href="#">BitTorrent</a> part of full range of ports used most often	Unofficial
6969	TCP	UDP	acmsoda	Official
6969	TCP		<a href="#">BitTorrent</a> tracker	Unofficial
6970–6999	TCP	UDP	<a href="#">BitTorrent</a> part of full range of ports used most often	Unofficial
7000	TCP		Default for <a href="#">Vuze</a> 's built in <a href="#">HTTPS Bittorrent Tracker</a>	Unofficial
7001	TCP		Default for <a href="#">BEA WebLogic Server</a> 's <a href="#">HTTP</a> server, though often changed during installation	Unofficial
7002	TCP		Default for <a href="#">BEA WebLogic Server</a> 's <a href="#">HTTPS</a> server, though often changed during installation	Unofficial

7005	TCP		Default for <a href="#">BMC Software Control-M/Server</a> and Control-M/Agent for Agent-to-Server, though often changed during installation	Official
7006	TCP		Default for <a href="#">BMC Software Control-M/Server</a> and Control-M/Agent for Server-to-Agent, though often changed during installation	Official
7010	TCP		Default for Cisco AON AMC (AON Management Console) <a href="#">[2]</a>	Unofficial
7025	TCP		Zimbra <a href="#">LMTP</a> [mailbox]—local mail delivery	Unofficial
7047	TCP		<a href="#">Zimbra</a> conversion server	Unofficial
7133	TCP		<a href="#">Enemy Territory: Quake Wars</a>	Unofficial
7144	TCP		Peercast	Unofficial
7145	TCP		Peercast	Unofficial
7171	TCP		<a href="#">Tibia</a>	Unofficial
7306	TCP		Zimbra mysql [mailbox]	Unofficial
7307	TCP		Zimbra mysql [logger]	Unofficial
7312		UDP	<a href="#">Sibelius</a> License Server	Unofficial
7400	TCP	UDP	RTPS (Real Time Publish Subscribe) <a href="#">DDS</a> Discovery	Official
7401	TCP	UDP	RTPS (Real Time Publish Subscribe) <a href="#">DDS</a> User-Traffic	Official
7402	TCP	UDP	RTPS (Real Time Publish Subscribe) <a href="#">DDS</a> Meta-Traffic	Official
7670	TCP		<a href="#">BrettspielWelt</a> BSW Boardgame Portal	Unofficial
7676	TCP		Aqumin AlphaVision Remote Command Interface	Unofficial
7777	TCP		iChat server file transfer proxy	Unofficial
7777	TCP		Oracle Cluster File System 2	Unofficial
7777	TCP		Default used by Windows backdoor program tini.exe	Unofficial
7777-7788	TCP	UDP	Unreal Tournament 2004 default server	Unofficial
7787-7788	TCP		GFI EventsManager 7 & 8	Official
7831	TCP		Default used by Smartlaunch Internet Cafe Administration <a href="#">[39]</a> software	Unofficial
7915	TCP		Default for YSFlight server <a href="#">[3]</a>	Unofficial
7935	TCP		Fixed port used for Adobe Flash Debug Player to communicate with a debugger (Flash IDE, Flex Builder or fdb). <a href="#">[4]</a>	Unofficial
7937-9936	TCP	UDP	EMC <sup>2</sup> (Legato) Networker or Sun Solcitize Backup	Official
8000	TCP	UDP	iRDMI (Intel Remote <a href="#">Desktop Management Interface</a> ) <sup>[40]</sup> —sometimes erroneously used instead of port 8080	Official
8000–8001	TCP		Commonly used for internet radio streams such as those using <a href="#">SHOUTcast</a>	Unofficial
8002	TCP		Cisco Systems Unified Call Manager Intercluster	Unofficial
8008	TCP		<a href="#">HTTP</a> Alternate	Official
8008	TCP		<a href="#">IBM HTTP Server</a> administration default	Unofficial
8009	TCP		<a href="#">ajp13 – Apache JServ Protocol</a> AJP Connector	Unofficial
8010	TCP		<a href="#">XMPP</a> File transfers	Unofficial
8011-	TCP		<a href="#">HTTP/TCP</a> Symon Communications Event and Query	Unofficial

8014			Engine	
8074	TCP		<a href="#">Gadu-Gadu</a>	Unofficial
8080	TCP		<a href="#">HTTP</a> alternate (http_alt)—commonly used for <a href="#">Web proxy</a> and <a href="#">caching</a> server, or for running a Web server as a non- <a href="#">root</a> user	Official
8080	TCP		<a href="#">Apache Tomcat</a>	Unofficial
8080		UDP	<a href="#">FilePhile</a> Master/Relay	Unofficial
8081	TCP		<a href="#">HTTP</a> alternate, e.g. <a href="#">McAfee ePolicy Orchestrator (ePO)</a>	Unofficial
8086	TCP		<a href="#">HELM</a> Web Host Automation Windows Control Panel	Unofficial
8086	TCP		<a href="#">Kaspersky</a> AV Control Center	Unofficial
8087	TCP		<a href="#">Hosting Accelerator</a> Control Panel	Unofficial
8087	TCP		<a href="#">Parallels Plesk</a> Control Panel	Unofficial
8087		UDP	<a href="#">Kaspersky</a> AV Control Center	Unofficial
8090	TCP		<a href="#">HTTP</a> Alternate (http_alt_alt)—used as an alternative to port 8080	Unofficial
8116		UDP	<a href="#">Check Point</a> Cluster Control Protocol	Unofficial
8118	TCP		<a href="#">Privoxy</a> —advertisement-filtering Web proxy	Official
8123	TCP		<a href="#">Polipo</a> Web proxy	Official
8192	TCP		<a href="#">Sophos</a> Remote Management System	Unofficial
8193	TCP		<a href="#">Sophos</a> Remote Management System	Unofficial
8194	TCP		<a href="#">Sophos</a> Remote Management System	Unofficial
8200	TCP		<a href="#">GoToMyPC</a>	Unofficial
8222			<a href="#">VMware</a> Server Management User Interface (insecure Web interface) <sup>[41]</sup> . See also port 8333	Unofficial
8243	TCP	UDP	<a href="#">HTTPS</a> listener for <a href="#">Apache Synapse</a> <sup>[42]</sup>	Official
8280	TCP	UDP	<a href="#">HTTP</a> listener for <a href="#">Apache Synapse</a> <sup>[42]</sup>	Official
8291	TCP		Winbox—Default on a MikroTik RouterOS for a Windows application used to administer MikroTik RouterOS	Unofficial
8333			<a href="#">VMware</a> Server Management User Interface (secure Web interface) <sup>[41]</sup> . See also port 8222	Unofficial
8400	TCP	UDP	cvp, <a href="#">Commvault</a> Unified Data Management	Official
8443	TCP		<a href="#">SW Soft Plesk</a> Control Panel, <a href="#">Apache Tomcat</a> SSL, <a href="#">Promise</a> WebPAM SSL	Unofficial
8484	TCP	UDP	<a href="#">MapleStory</a>	Unofficial
8500	TCP	IPX	<a href="#">ColdFusion</a> Macromedia/Adobe ColdFusion default and <a href="#">Duke Nukem 3D</a> —default	Unofficial
8501	TCP		<a href="#">[5]</a> DukesterX —default	Unofficial
8691	TCP		<a href="#">Ultra Fractal</a> default server port for distributing calculations over network computers	Unofficial
8701		UDP	<a href="#">SoftPerfect Bandwidth Manager</a>	Unofficial
8702		UDP	<a href="#">SoftPerfect Bandwidth Manager</a>	Unofficial
8767		UDP	<a href="#">TeamSpeak</a> —default	Unofficial
8768		UDP	<a href="#">TeamSpeak</a> —alternate	Unofficial
8880		UDP	cddbp-alt, <a href="#">CD DataBase</a> ( <a href="#">CDDb</a> ) protocol (CDDBP) alternate	Official
8880	TCP		cddbp-alt, <a href="#">CD DataBase</a> ( <a href="#">CDDb</a> ) protocol (CDDBP)	Official

			alternate	
8880	TCP		<a href="#">WebSphere Application Server SOAP connector default</a>	Unofficial
8881	TCP		<a href="#">Atlasz Informatics Research Ltd [6]</a> Secure Application Server	Unofficial
8882	TCP		<a href="#">Atlasz Informatics Research Ltd [7]</a> Secure Application Server	Unofficial
8888	TCP	UDP	<a href="#">NewsEDGE</a> server	Official
8888	TCP		<a href="#">Sun Answerbook dwhttpd</a> server (deprectated by <a href="#">docs.sun.com</a> )	Unofficial
8888	TCP		<a href="#">GNUmp3d</a> HTTP music streaming and Web interface	Unofficial
8888	TCP		<a href="#">LoLo Catcher</a> HTTP Web interface ( <a href="#">www.optiform.com</a> )	Unofficial
8888	TCP		<a href="#">D2GS Admin Console</a> Telnet administration console for D2GS servers (Diablo 2)	Unofficial
8888	TCP		Earthland Relams 2 Server (AU1_2)	Unofficial
8889	TCP		Earthland Relams 2 Server (AU1_1)	Unofficial
9000	TCP		Buffalo LinkSystem Web access	Unofficial
9000	TCP		<a href="#">DBGp</a>	Unofficial
9000	TCP		<a href="#">SqueezeCenter</a> web server & streaming	Unofficial
9000		UDP	<a href="#">UDPCast</a>	Unofficial
9001			Microsoft Sharepoint Authoring Environment	Official
9001			cisco-xremote router configuration	Unofficial
9001			<a href="#">Tor</a> network default	Unofficial
9001	TCP		<a href="#">DBGp</a> Proxy	Unofficial
9009	TCP	UDP	<a href="#">Pichat Server</a> —Peer to peer chat software	Official
9030	TCP		<a href="#">Tor</a> often used	Unofficial
9043	TCP		<a href="#">WebSphere Application Server</a> Administration Console secure	Unofficial
9050	TCP		<a href="#">Tor</a>	Unofficial
9051	TCP		<a href="#">Tor</a>	Unofficial
9060	TCP		<a href="#">WebSphere Application Server</a> Administration Console	Unofficial
9080		UDP	glrpc, <a href="#">Groove Collaboration software</a> GLRPC	Official
9080	TCP		glrpc, <a href="#">Groove Collaboration software</a> GLRPC	Official
9080	TCP		<a href="#">WebSphere Application Server HTTP</a> Transport (port 1) <a href="#">default</a>	Unofficial
9090	TCP		<a href="#">Openfire</a> Administration Console	Unofficial
9090	TCP		<a href="#">SqueezeCenter</a> control (CLI)	Unofficial
9091	TCP		<a href="#">Openfire</a> Administration Console (SSL Secured)	Unofficial
9100	TCP		PDL Data Stream	Official
9101			<a href="#">Bacula</a> Director	Official
9102			<a href="#">Bacula</a> File Daemon	Official
9103			<a href="#">Bacula</a> Storage Daemon	Official
9105	TCP	UDP	<a href="#">Xadmin</a> Control Daemon	Official
9110		UDP	<a href="#">SSMP</a> Message protocol	Unofficial
9119	TCP	UDP	<a href="#">MXit</a> Instant Messenger	Official

9293	TCP		Sony Playstation RemotePlay	Unofficial
9300	TCP		<a href="#">IBM Cognos 8 SOAP</a> Business Intelligence and Performance Management	Unofficial
9303		UDP	<a href="#">D-Link Shareport</a> Share storage and MFP printers	Unofficial
9306	TCP		<a href="#">Sphinx</a> Native API	Official
9312	TCP		<a href="#">Sphinx</a> SphinxQL	Official
9418	TCP	UDP	git, <a href="#">Git</a> pack transfer service	Official
9420	TCP		<a href="#">MooseFS</a> distributed file system – master server to chunk servers	Unofficial
9421	TCP		<a href="#">MooseFS</a> distributed file system – master server to clients	Unofficial
9422	TCP		<a href="#">MooseFS</a> distributed file system – chunk servers to clients	Unofficial
9535	TCP		mngsuite, <a href="#">LANDesk</a> Management Suite Remote Control	Official
9535		UDP	mngsuite, <a href="#">LANDesk</a> Management Suite Remote Control	Official
9561	TCP	UDP	<a href="#">Network Time System</a> Server	Unofficial
9600		UDP	Omron FINS, <a href="#">OMRON FINS</a> PLC communication	Official
9800	TCP	UDP	<a href="#">WebDAV</a> Source	Official
9800			<a href="#">WebCT</a> e-learning portal	Unofficial
9875	TCP		<a href="#">Club Penguin</a> Disney online game for kids	Unofficial
9898	TCP	UDP	MonkeyCom	Official
9898	TCP		Tripwire – File Integrity Monitoring Software	Unofficial
9987	TCP		TeamSpeak 3 server default (voice) port (for the conflicting service see the IANA list)	Unofficial
9996	TCP	UDP	<a href="#">The Palace</a> "The Palace" Virtual Reality Chat software. – 5	Official
9999			<a href="#">Hydranode</a> —edonkey2000 <a href="#">TELNET</a> control	Unofficial
9999	TCP		<a href="#">Lantronix</a> UDS-10/UDS100 <sup>[43]</sup> <a href="#">RS-485</a> to Ethernet Converter <a href="#">TELNET</a> control	Unofficial
9999			Urchin Web Analytics	Unofficial
10000			<a href="#">Webmin</a> —Web-based Linux admin tool	Unofficial
10000			<a href="#">BackupExec</a>	Unofficial
10000			Ericsson Account Manager (avim)	Unofficial
10001	TCP		<a href="#">Lantronix</a> UDS-10/UDS100 <sup>[44]</sup> <a href="#">RS-485</a> to Ethernet Converter <a href="#">default</a>	Unofficial
10008	TCP	UDP	Octopus Multiplexer, primary port for the <a href="#">CROMP protocol</a> , which provides a <a href="#">platform-independent</a> means for communication of <a href="#">objects</a> across a <a href="#">network</a>	Official
10010	TCP		<a href="#">Open Object Rexx (ooRexx)</a> rxapi daemon	Official
10017			AIX,NeXT, HPUNIX—rexcd daemon control	Unofficial
10024	TCP		Zimbra smtp [mta]—to amavis from postfix	Unofficial
10025	TCP		Zimbra smtp [mta]—back to postfix from amavis	Unofficial
10050	TCP	UDP	<a href="#">Zabbix</a> -Agent	Official
10051	TCP	UDP	<a href="#">Zabbix</a> -Trapper	Official
10113	TCP	UDP	<a href="#">NetIQ</a> Endpoint	Official



10114	TCP	UDP	<a href="#">NetIQ</a> Qcheck	Official
10115	TCP	UDP	<a href="#">NetIQ</a> Endpoint	Official
10116	TCP	UDP	<a href="#">NetIQ</a> VoIP Assessor	Official
10200	TCP		<a href="#">FRISK Software International</a> 's <i>fp scand</i> virus scanning daemon for Unix platforms <a href="#">[8]</a>	Unofficial
10200–10204	TCP		<a href="#">FRISK Software International</a> 's <i>f-protd</i> virus scanning daemon for Unix platforms <a href="#">[9]</a>	Unofficial
10308			Lock-on: Modern Air Combat	Unofficial
10480			SWAT 4 Dedicated Server	Unofficial
11211			<a href="#">memcached</a>	Unofficial
11235			Savage:Battle for Newerth Server Hosting	Unofficial
11294			Blood Quest Online Server	Unofficial
11371			<a href="#">OpenPGP</a> HTTP <a href="#">key server</a>	Official
11576			<a href="#">IPStor</a> Server management communication	Unofficial
12010	TCP		<a href="#">ElevateDB</a> default database port <a href="#">[10]</a>	Unofficial
12012	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , Korea Server – Status/Version Check	Unofficial
12013	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , Korea Server	Unofficial
12035		UDP	<a href="#">Linden Lab</a> viewer to sim	Unofficial
12222		UDP	Light Weight Access Point Protocol ( <a href="#">LWAPP</a> ) LWAPP data ( <a href="#">RFC 5412</a> )	Official
12223		UDP	Light Weight Access Point Protocol ( <a href="#">LWAPP</a> ) LWAPP control ( <a href="#">RFC 5412</a> )	Official
12345			<a href="#">NetBus</a> —remote administration tool (often <a href="#">Trojan horse</a> ). Also used by <a href="#">NetBuster</a> . Little Fighter 2 (TCP).	Unofficial
12975	TCP		LogMeIn <a href="#">Hamachi</a> (VPN tunnel software; also port 32976)—used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use <a href="#">SSL</a> (TCP port 443) if both 12975 & 32976 fail to connect	Unofficial
12998–12999		UDP	<a href="#">Takenaka RDI</a> Mirror World on SL	Unofficial
13000–13050		UDP	<a href="#">Linden Lab</a> viewer to sim	Unofficial
13076	TCP		Default for <a href="#">BMC Software Control-M/Enterprise Manager</a> Corba communication, though often changed during installation	Official
13720	TCP	UDP	<a href="#">Symantec NetBackup</a> —bprd (formerly <a href="#">VERITAS</a> )	Official
13721	TCP	UDP	<a href="#">Symantec NetBackup</a> —bpdbrm (formerly <a href="#">VERITAS</a> )	Official
13724	TCP	UDP	<a href="#">Symantec</a> Network Utility—vnetd (formerly <a href="#">VERITAS</a> )	Official
13782	TCP	UDP	<a href="#">Symantec NetBackup</a> —bpcd (formerly <a href="#">VERITAS</a> )	Official
13783	TCP	UDP	<a href="#">Symantec</a> VOPIED protocol (formerly <a href="#">VERITAS</a> )	Official
13785	TCP	UDP	<a href="#">Symantec NetBackup</a> Database—nbdb (formerly <a href="#">VERITAS</a> )	Official
13786	TCP	UDP	<a href="#">Symantec</a> nomdb (formerly <a href="#">VERITAS</a> )	Official
14439	TCP		<a href="#">APRS UI-View Amateur Radio</a> <sup>[45]</sup> UI-WebServer	Unofficial
14567		UDP	<a href="#">Battlefield 1942</a> and mods	Unofficial
15000	TCP		<a href="#">psyBNC</a>	Unofficial

15000	TCP		<a href="#">Wesnoth</a>	Unofficial
15000	TCP		Kaspersky Network Agent	Unofficial
15000	TCP		hydap, Hypack <a href="#">Hydrographic</a> Software Packages Data Acquisition	Official
15000		UDP	hydap, Hypack <a href="#">Hydrographic</a> Software Packages Data Acquisition	Official
15567		UDP	<a href="#">Battlefield Vietnam</a> and mods	Unofficial
15345	TCP	UDP	<a href="#">XPilot</a> Contact	Official
16000	TCP		<a href="#">shroudBNC</a>	Unofficial
16080	TCP		<a href="#">Mac OS X Server</a> Web (HTTP) service with performance cache <sup>[46]</sup>	Unofficial
16384		UDP	Iron Mountain Digital online backup	Unofficial
16567		UDP	<a href="#">Battlefield 2</a> and mods	Unofficial
17500	TCP		<a href="#">Dropbox</a> LanSync Protocol (db-lsp); used to synchronize file catalogs between Dropbox clients on your local network.	Official
17500		UDP	<a href="#">Dropbox</a> LanSync Discovery (db-lsp-disc); used to synchronize file catalogs between Dropbox clients on your local network; is transmitted to broadcast addresses.	Official
18010	TCP		Super Dancer Online Extreme(SDO-X) – CiB Net Station Malaysia Server	Unofficial
18180	TCP		DART Reporting server	Unofficial
18200	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , AsiaSoft Thailand Server – Status/Version Check	Unofficial
18201	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , AsiaSoft Thailand Server	Unofficial
18206	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , AsiaSoft Thailand Server – FAM Database	Unofficial
18300	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , AsiaSoft SEA Server – Status/Version Check	Unofficial
18301	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , AsiaSoft SEA Server	Unofficial
18306	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , AsiaSoft SEA Server – FAM Database	Unofficial
18400	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , KAIZEN Brazil Server – Status/Version Check	Unofficial
18401	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , KAIZEN Brazil Server	Unofficial
18505	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , Nexon Server – Status/Version Check	Unofficial
18506	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , Nexon Server	Unofficial
18605	TCP	UDP	<a href="#">X-BEAT</a> – Status/Version Check	Unofficial
18606	TCP	UDP	<a href="#">X-BEAT</a>	Unofficial
19000	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , G10/alaplaza Server – Status/Version Check	Unofficial
19001	TCP	UDP	<a href="#">Audition Online Dance Battle</a> , G10/alaplaza Server	Unofficial
19226	TCP		<a href="#">Panda Software</a> AdminSecure Communication Agent	Unofficial
19283	TCP	UDP	K2 - KeyAuditor & KeyServer, <a href="#">Sassafras Software Inc. Software Asset Management</a> tools	Official
19315	TCP	UDP	KeyShadow for K2 - KeyAuditor & KeyServer,	Official

[Sassafras Software Inc. Software Asset Management tools](#)

19638	TCP		Ensim Control Panel	Unofficial
19771	TCP	UDP	<a href="#">Softros LAN Messenger</a>	Unofficial
19813	TCP		4D database Client Server Communication	Unofficial
19880	TCP		<a href="#">Softros LAN Messenger</a>	Unofficial
20000			<a href="#">DNP</a> (Distributed Network Protocol), a protocol used in <a href="#">SCADA</a> systems between communicating <a href="#">RTU</a> 's and <a href="#">IED</a> 's	Official
20000			<a href="#">Usermin</a> , Web-based user tool	Unofficial
20014	TCP		DART Reporting server	Unofficial
20720	TCP		<a href="#">Symantec i3</a> Web GUI server	Unofficial
21001	TCP		AMLFILTER, <a href="#">AMLFILTER Inc.</a> <a href="#">amlf-admin default port</a>	Unofficial
21011	TCP		AMLFILTER, <a href="#">AMLFILTER Inc.</a> <a href="#">amlf-engine-01 default http port</a>	Unofficial
21012	TCP		AMLFILTER, <a href="#">AMLFILTER Inc.</a> <a href="#">amlf-engine-01 default https port</a>	Unofficial
21021	TCP		AMLFILTER, <a href="#">AMLFILTER Inc.</a> <a href="#">amlf-engine-02 default http port</a>	Unofficial
21022	TCP		AMLFILTER, <a href="#">AMLFILTER Inc.</a> <a href="#">amlf-engine-02 default https port</a>	Unofficial
22347	TCP	UDP	WibuKey, <a href="#">WIBU-SYSTEMS AG Software protection system</a>	Official
22350	TCP	UDP	CodeMeter, <a href="#">WIBU-SYSTEMS AG Software protection system</a>	Official
23073			Soldat Dedicated Server	Unofficial
23399			<a href="#">Skype</a> Default Protocol	Unofficial
23513			<a href="#">Duke Nukem 3D#Source code</a> Duke Nukem Ports	Unofficial
24444			<a href="#">NetBeans</a> integrated development environment	Unofficial
24465	TCP	UDP	Tonido Directory Server for <a href="#">Tonido</a> which is a Personal Web app and peer-to-peer platform	Official
24554	TCP	UDP	<a href="#">BINKP</a> , <a href="#">Fidonet</a> mail transfers over <a href="#">TCP/IP</a>	Official
24800			<a href="#">Synergy</a> : keyboard/mouse sharing software	Unofficial
24842			<a href="#">StepMania</a> : Online: <a href="#">Dance Dance Revolution Simulator</a>	Unofficial
25888		UDP	<a href="#">Xfire</a> (Firewall Report, UDP_IN) IP Address (206.220.40.146) resolves to gameservertracking.xfire.com. Use unknown.	Unofficial
25999	TCP		<a href="#">Xfire</a>	Unofficial
26000	TCP	UDP	<a href="#">id Software</a> 's <a href="#">Quake</a> server	Official
26000	TCP		<a href="#">CCP</a> 's <a href="#">EVE Online</a> Online gaming MMORPG	Unofficial
26900	TCP		<a href="#">CCP</a> 's <a href="#">EVE Online</a> Online gaming MMORPG	Unofficial
26901	TCP		<a href="#">CCP</a> 's <a href="#">EVE Online</a> Online gaming MMORPG	Unofficial
27000		UDP	(through 27006) <a href="#">id Software</a> 's <a href="#">QuakeWorld</a> master server	Unofficial
27000	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial
27001	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial

27002	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial
27003	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial
27004	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial
27005	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial
27006	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial
27007	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial
27008	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial
27009	TCP		<a href="#">FlexNet Publisher</a> 's License server (from the range of default ports)	Unofficial
27010			<a href="#">Source engine</a> dedicated server port	Unofficial
27014			<a href="#">Source engine</a> dedicated server port (rare)	Unofficial
27015			<a href="#">GoldSrc</a> and <a href="#">Source engine</a> dedicated server port	Unofficial
27017			<a href="#">mongoDB</a> server port	Unofficial
27374			<a href="#">Sub7</a> default. Most <a href="#">script kiddies</a> do not change from this	Unofficial
27500		UDP	(through 27900) <a href="#">id Software</a> 's <a href="#">QuakeWorld</a>	Unofficial
27888		UDP	<a href="#">Kaillera</a> server	Unofficial
27900-27901			<a href="#">Nintendo Wi-Fi Connection</a>	Unofficial
27901		UDP	(through 27910) <a href="#">id Software</a> 's <a href="#">Quake II</a> master server	Unofficial
27960		UDP	(through 27969) <a href="#">Activision</a> 's <a href="#">Enemy Territory</a> and <a href="#">id Software</a> 's <a href="#">Quake III Arena</a> , <a href="#">Quake III</a> and <a href="#">Quake Live</a> and some ioquake3 derived games	Unofficial
28000			<a href="#">Bitfighter</a> Common/default Bitfighter Server	Unofficial
28001			<a href="#">Starsiege: Tribes</a> Common/default Tribes v.1 Server	Unofficial
28395	TCP		<a href="#">www.SmartSystemsLLC.com</a> Used by Smart Sale 5.0	Unofficial
28910			<a href="#">Nintendo Wi-Fi Connection</a>	Unofficial
28960		UDP	<a href="#">Call of Duty</a> – <a href="#">Call of Duty: United Offensive</a> – <a href="#">Call of Duty 2</a> – <a href="#">Call of Duty 4: Modern Warfare</a> – <a href="#">Call of Duty: World at War</a> (PC Version)	Unofficial
29900-29901			<a href="#">Nintendo Wi-Fi Connection</a>	Unofficial
29920			<a href="#">Nintendo Wi-Fi Connection</a>	Unofficial
30000			<a href="#">Pokémon Netbattle</a>	Unofficial
30301			<a href="#">BitTorrent</a>	Unofficial
30564	TCP		<a href="#">Multiplicity</a> : keyboard/mouse/clipboard sharing software	Unofficial
31337	TCP		<a href="#">Back Orifice</a> —remote administration tool (often <a href="#">Trojan horse</a> )	Unofficial
31415			<a href="#">ThoughtSignal</a> —Server Communication Service (often <a href="#">Informational</a> )	Unofficial

31456	TCP		<a href="#">TetriNET</a> IRC gateway on some servers	Unofficial
31457	TCP		<a href="#">TetriNET</a>	Official
31458	TCP		<a href="#">TetriNET</a> Used for game spectators	Unofficial
32245	TCP		<a href="#">MMTSG-mutualed</a> over <a href="#">MMT</a> (encrypted transmission)	Unofficial
32976	TCP		LogMeIn <a href="#">Hamachi</a> (VPN tunnel software; also port 12975)—used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use <a href="#">SSL</a> (TCP port 443) if both 12975 & 32976 fail to connect	Unofficial
33434	TCP	UDP	<a href="#">traceroute</a>	Official
34443			Linksys PSUS4 print server	Unofficial
36963			<a href="#">Counter Strike 2D</a> multiplayer (2D clone of popular CounterStrike computer game)	Unofficial
37777	TCP		<a href="#">Digital Video Recorder hardware</a>	Unofficial
40000	TCP	UDP	SafetyNET p <a href="#">Real-time Industrial Ethernet</a> protocol	Official
43047	TCP		TheòsMessenger second port for service TheòsMessenger	Official
43048	TCP		TheòsMessenger third port for service TheòsMessenger	Official
43594–43595	TCP		[[Jagex] RuneScape, FunOrb, etc...]	Official
47808	TCP	UDP	<a href="#">BACnet</a> Building Automation and Control Networks	Official
49151	TCP	UDP	Reserved <sup>[1]</sup>	Official

### Dynamic and/or private ports: 49152–65535

By definition, no ports can be registered in the [dynamic](#) range.<sup>[1]</sup>

Many Linux kernels and/or [distros](#) use 32768 to 61000.  
 /proc/sys/net/ipv4/ip\_local\_port\_range indicates the range in use.