List of TCP and UDP port numbers

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This is a list of Internet socket port numbers used by protocols of the transport layer of the Internet Protocol Suite for the establishment of host-to-host connectivity.

Originally, port numbers were used by the Network Control Program (NCP) in the ARPANET for which two ports were required for half-duplex transmission. Later, the Transmission Control Protocol (TCP) and the User Datagram Protocol (UDP) needed only one port for full-duplex, bidirectional traffic. The even-numbered ports were not used, and this resulted in some even numbers in the well-known port number range being unassigned. The Stream Control Transmission Protocol (SCTP) and the Datagram Congestion Control Protocol (DCCP) also use port numbers. They usually use port numbers that match the services of the corresponding TCP or UDP implementation, if they exist.

The Internet Assigned Numbers Authority (IANA) is responsible for maintaining the official assignments of port numbers for specific uses.[1] However, many unofficial uses of both well-known and registered port numbers occur in practice.

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Table legend

☐ Official: Port is registered with IANA for the application.[1]

☐ Unofficial: Port is not registered with IANA for the application.

☐ Multiple use: Multiple applications are known to use this port.

Well-known ports

The port numbers in the range from 0 to 1023 are the *well-known ports* or *system ports*.[2] They are used by system processes that provide widely used types of network services. On Unix-like operating systems, a process must execute with superuser privileges to be able to bind a network socket to an IP address using

one of the well-known ports.

Port	TCP	UDP	Description	Status
0	N/A	N/A	In programming APIs (not in communication between hosts), requests a system-allocated (dynamic) port[3][4]	N/A
0		UDP	Reserved	Official
1	TCP	UDP	TCP Port Service Multiplexer (TCPMUX)	Official
2	TCP	UDP	CompressNET[5] Management Utility[6]	Official
3	TCP	UDP	CompressNET[5] Compression Process[7]	Official
4	TCP	UDP	Unassigned	Official
5	TCP	UDP	Remote job entry	Official
6	TCP	UDP	Unassigned	Official
7	TCP	UDP	Echo Protocol	Official
8	TCP	UDP	Unassigned	Official
9	TCP	UDP	Discard Protocol	Official
9		UDP	Wake-on-LAN	Unofficial
10	TCP	UDP	Unassigned	Official
11	TCP	UDP	Active Users (systat service)[8][9]	Official
12	TCP	UDP	Unassigned	Official
13	TCP	UDP	Daytime Protocol (RFC 867)	Official
14	TCP	UDP	Unassigned	Official
15	TCP	UDP	Previously netstat service[8]	Unofficial
16	TCP	UDP	Unassigned	Official
17	TCP	UDP	Quote Of The Day	Official
18	TCP	UDP	Message Send Protocol	Unofficial
19	TCP	UDP	Character Generator Protocol	Official
20	TCP	UDP	FTP data transfer	Official
21	TCP SCTP	UDP	FTP control (command)	Official
22	TCP SCTP	UDP	Secure Shell (SSH), secure logins, file transfers (scp, sftp) and port forwarding	Official
23	TCP	UDP	Telnet protocol—unencrypted text communications	Official
24	TCP	UDP	Priv-mail, any private mail system	Official
25	TCP	UDP	Simple Mail Transfer Protocol (SMTP), used for e-mail routing between mail servers	Official
26	TCP	UDP	Unassigned	Official
27	TCP	UDP	NSW User System FE	Official
29	TCP	UDP	MSG ICP	Official
33	TCP	UDP	Display Support Protocol	Official
35	TCP	UDP	Any private printer server protocol	Official
37	TCP	UDP	Time Protocol	Official
			Resource Location Protocol[10] (RLP)—used for determining	

39	TCP	UDP	the location of higher level services from hosts on a network	Official
40	TCP	UDP	Unassigned	Official
42	TCP	UDP	ARPA Host Name Server Protocol	Official
42	TCP	UDP	Windows Internet Name Service	Unofficial
43	TCP	UDP	WHOIS protocol	Official
47	TCP	UDP	NI FTP	Official
49	TCP	UDP	TACACS+ Login Host protocol	Official
50	TCP	UDP	ESP[11]	Official
51	TCP	UDP	IMP Logical Address Maintenance	Official
52	TCP	UDP	XNS (Xerox Network Systems) Time Protocol	Official
53	TCP	UDP	Domain Name System (DNS)	Official
54	TCP	UDP	Xerox Network Systems (XNS) clearinghouse	Official
55	TCP	UDP	ISI Graphics Language (ISI-GL)	Official
56	TCP	UDP	Xerox Network Systems (XNS) authentication	Official
56	TCP	UDP	Route Access Protocol (RAP)[12]	Unofficial
57	TCP	UDP	Any private terminal access	Official
58	TCP	UDP	Xerox Network Systems (XNS) Mail	Official
64	TCP	UDP	CI (Travelport) (formerly Covia) Comms Integrator	Official
67	TCP	UDP	Bootstrap Protocol (BOOTP) server; also used by Dynamic Host Configuration Protocol (DHCP)	Official
68	TCP	UDP	Bootstrap Protocol (BOOTP) client; also used by Dynamic Host Configuration Protocol (DHCP)	Official
69	TCP	UDP	Trivial File Transfer Protocol (TFTP)	Official
70	TCP	UDP	Gopher protocol	Official
71–74	TCP	UDP	NETRJS protocol	Official
77	TCP	UDP	Any private Remote job entry	Official
79	TCP	UDP	Finger protocol	Official
80	TCP SCTP	UDP	Hypertext Transfer Protocol (HTTP)[13]	Official
80		UDP	QUIC (from Chromium) for HTTP	Unofficial
81	TCP		Torpark onion routing	Unofficial
82		UDP	Torpark control	Unofficial
88	TCP	UDP	Kerberos authentication system	Official
90	TCP	UDP	dnsix (DoD Network Security for Information Exchange) Security Attribute Token Map	Official
90	TCP	UDP	PointCast (dotcom)	Unofficial
99	TCP		WIP Message protocol	Unofficial
100		UDP	CyberGate RAT protocol	Unofficial
101	TCP	UDP	NIC host name	Official
			ISO Transport Service Access Point (TSAP) Class 0	

102	TCP	UDP	protocol;[14] also used by Digital Equipment Corporation DECnet (Phase V+) over TCP/IP	Official
104	TCP	UDP	ACR/NEMA Digital Imaging and Communications in Medicine (DICOM)	Official
105	TCP	UDP	CCSO Nameserver Protocol (Qi/Ph)	Official
107	TCP	UDP	Remote Telnet Service[15] protocol	Official
108	TCP	UDP	SNA Gateway Access Server[1]	Official
109	TCP	UDP	Post Office Protocol v2 (POP2)	Official
110	TCP	UDP	Post Office Protocol v3 (POP3)	Official
111	TCP	UDP	ONC RPC (Sun RPC)	Official
113	TCP		Ident, authentication service/identification protocol,[16] used by IRC servers to identify users	Official
113		UDP	Authentication Service[16] (auth)	Official
115	TCP		Simple File Transfer Protocol	Official
117	STD		UUCP Path Service	Official
118	TCP	UDP	Structured Query Language (SQL) Services	Official
119	TCP		Network News Transfer Protocol (NNTP), retrieval of newsgroup messages	Official
123	TCP	UDP	Network Time Protocol (NTP), used for time synchronization	Official
126	TCP	UDP	Formerly Unisys Unitary Login, renamed by Unisys to NXEdit. Used by Unisys Programmer's Workbench for Clearpath MCP, an IDE for Unisys MCP software development	Official
135	TCP	UDP	DCE endpoint resolution	Official
135	TCP	UDP	Microsoft EPMAP (End Point Mapper), also known as DCE/RPC Locator service,[17] used to remotely manage services including DHCP server, DNS server and WINS. Also used by DCOM	Unofficial
137	TCP	UDP	NetBIOS Name Service	Official
138	TCP	UDP	NetBIOS Datagram Service	Official
139	TCP	UDP	NetBIOS Session Service	Official
143	TCP		Internet Message Access Protocol (IMAP), management of email messages	Official
152	TCP	UDP	Background File Transfer Program (BFTP)[18]	Official
153	TCP	UDP	Simple Gateway Monitoring Protocol (SGMP)	Official
156	TCP	UDP	SQL Service	Official
158	TCP	UDP	Distributed Mail Service Protocol (DMSP)[19]	Unofficial
161		UDP	Simple Network Management Protocol (SNMP)	Official
162	TCP	UDP	Simple Network Management Protocol Trap (SNMPTRAP)[20]	Official
170	TCP		Print-srv, Network PostScript	Official
175	TCP		VMNET (IBM z/VM, z/OS & z/VSE—Network Job Entry (NJE))	Official

177	TCP	UDP	X Display Manager Control Protocol (XDMCP)	Official
179	TCP		Border Gateway Protocol (BGP)	Official
194	TCP	UDP	Internet Relay Chat (IRC)	Official
199	TCP	UDP	SMUX, SNMP Unix Multiplexer	Official
201	TCP	UDP	AppleTalk Routing Maintenance	Official
209	TCP	UDP	Quick Mail Transfer Protocol	Official
210	TCP	UDP	ANSI Z39.50	Official
213	TCP	UDP	Internetwork Packet Exchange (IPX)	Official
218	TCP	UDP	Message posting protocol (MPP)	Official
220	TCP	UDP	Internet Message Access Protocol (IMAP), version 3	Official
259	TCP	UDP	Efficient Short Remote Operations (ESRO)	Official
262	TCP	UDP	Arcisdms	Official
264	TCP	UDP	Border Gateway Multicast Protocol (BGMP)	Official
280	TCP	UDP	http-mgmt	Official
300	TCP		ThinLinc Web Access	Unofficial
308	TCP		Novastor Online Backup	Official
311	TCP		Mac OS X Server Admin (officially AppleShare IP Web administration)	Official
318	TCP	UDP	PKIX Time Stamp Protocol (TSP)	Official
319		UDP	Precision Time Protocol (PTP) event messages	Official
320		UDP	Precision Time Protocol (PTP) general messages	Official
350	TCP	UDP	Mapping of Airline Traffic over Internet Protocol (MATIP) type A	Official
351	TCP	UDP	MATIP type B	Official
356	TCP	UDP	cloanto-net-1 (used by Cloanto Amiga Explorer and VMs)	Official
366	TCP	UDP	On-Demand Mail Relay (ODMR)	Official
369	TCP	UDP	Rpc2portmap	Official
370	TCP		codaauth2, Coda authentication server	Official
370		UDP	codaauth2, Coda authentication server	Official
370		UDP	securecast1, outgoing packets to NAI's SecureCast servers[21]As of 2000	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)[22]	Official
389	TCP	UDP	Lightweight Directory Access Protocol (LDAP)	Official
399	TCP	UDP	Digital Equipment Corporation DECnet (Phase V+) over TCP/IP	Official
401	TCP	UDP	Uninterruptible power supply (UPS)	Official
427	TCP	UDP	Service Location Protocol (SLP)	Official

433	TCP	UDP	NNSP, part of Network News Transfer Protocol	Official
434	TCP	UDP	Mobile IP Agent (RFC 5944)	Official
443	TCP SCTP	UDP	Hypertext Transfer Protocol over TLS/SSL (HTTPS)	Official
443		UDP	QUIC (from Chromium) for HTTPS	Unofficial
444	TCP	UDP	Simple Network Paging Protocol (SNPP), RFC 1568	Official
445	TCP		Microsoft-DS Active Directory, Windows shares	Official
445	TCP		Microsoft-DS SMB file sharing	Official
464	TCP	UDP	Kerberos Change/Set password	Official
465	TCP		URL Rendezvous Directory for SSM (Cisco protocol)	Official
465	TCP		Simple Mail Transfer Protocol over TLS/SSL (SMTPS)	Unofficial
475	TCP	UDP	tcpnethaspsrv, Aladdin Knowledge Systems Hasp services	Official
491	TCP		GO-Global remote access and application publishing software	Unofficial
497	TCP		Dantz Retrospect	Official
500	TCP	UDP	Internet Security Association and Key Management Protocol (ISAKMP) / Internet Key Exchange (IKE)	Official
502	TCP	UDP	Modbus Protocol	Official
504	TCP	UDP	Citadel, multiservice protocol for dedicated clients for the Citadel groupware system	Official
510	TCP	UDP	FirstClass Protocol (FCP), used by FirstClass client/server groupware system	Official
512	TCP		Rexec, Remote Process Execution	Official
512		UDP	comsat, together with biff	Official
513	TCP		rlogin	Official
513		UDP	Who[23]	Official
514	TCP		Remote Shell, used to execute non-interactive commands on a remote system (Remote Shell, rsh, remsh)	Official
514		UDP	Syslog, used for system logging	Official
515	TCP		Line Printer Daemon (LPD), print service	Official
517		UDP	Talk	Official
518		UDP	NTalk	Official
520	TCP		efs, extended file name server	Official
520		UDP	Routing Information Protocol (RIP)	Official
521		UDP	Routing Information Protocol Next Generation (RIPng)	Official
524	TCP	UDP	NetWare Core Protocol (NCP) is used for a variety things such as access to primary NetWare server resources, Time Synchronization, etc.	Official
525		UDP	Timed, Timeserver	Official
530	TCP	UDP	Remote procedure call (RPC)	Official
531	TCP	UDP	AOL Instant Messenger	Unofficial
532	TCP		netnews	Official

533		UDP	netwall, For Emergency Broadcasts	Official
540	TCP		Unix-to-Unix Copy Protocol (UUCP)	Official
542	TCP	UDP	commerce (Commerce Applications)	Official
543	TCP		klogin, Kerberos login	Official
544	TCP		kshell, Kerberos Remote shell	Official
545	TCP		OSIsoft PI (VMS), OSISoft PI Server Client Access	Unofficial
546	TCP	UDP	DHCPv6 client	Official
547	TCP	UDP	DHCPv6 server	Official
548	TCP		Apple Filing Protocol (AFP) over TCP	Official
550	TCP	UDP	new-rwho, new-who[23]	Official
554	TCP	UDP	Real Time Streaming Protocol (RTSP)	Official
556	TCP		Remotefs, RFS, rfs_server	Official
560		UDP	rmonitor, Remote Monitor	Official
561		UDP	monitor	Official
563	TCP	UDP	NNTP over TLS/SSL (NNTPS)	Official
564	TCP		9P (Plan 9)	Unofficial
587	TCP		e-mail message submission[24] (SMTP)	Official
591	TCP		FileMaker 6.0 (and later) Web Sharing (HTTP Alternate, also see port 80)	Official
593	TCP	UDP	HTTP RPC Ep Map, Remote procedure call over Hypertext Transfer Protocol, often used by Distributed Component Object Model services and Microsoft Exchange Server	Official
601	TCP		Reliable Syslog Service — used for system logging	Official
604	TCP		TUNNEL profile,[25] a protocol for BEEP peers to form an application layer tunnel	Official
623		UDP	ASF Remote Management and Control Protocol (ASF-RMCP)	Official
625	TCP		Open Directory Proxy (ODProxy)	Unofficial
631	TCP	UDP	Internet Printing Protocol (IPP)	Official
631	TCP	UDP	Common Unix Printing System (CUPS) administration console (extension to IPP)	Unofficial
635	TCP	UDP	RLZ DBase	Official
636	TCP	UDP	Lightweight Directory Access Protocol over TLS/SSL (LDAPS)	Official
639	TCP	UDP	MSDP, Multicast Source Discovery Protocol	Official
641	TCP	UDP	SupportSoft Nexus Remote Command (control/listening), a proxy gateway connecting remote control traffic	Official
643	TCP	UDP	SANity	Official
646	TCP	UDP	Label Distribution Protocol (LDP), a routing protocol used in MPLS networks	Official
647	TCP		DHCP Failover protocol[26]	Official
648	TCP		Registry Registrar Protocol (RRP)[27]	Official

651	TCP	UDP	IEEE-MMS	Official
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)[28]	Official
655	TCP	UDP	Tinc VPN daemon	Unofficial
657	TCP	UDP	IBM RMC (Remote monitoring and Control) protocol, used by System p5 AIX Integrated Virtualization Manager (IVM)[29] and Hardware Management Console to connect managed logical partitions (LPAR) to enable dynamic partition reconfiguration	Official
660	TCP		Mac OS X Server administration	Official
666	TCP	UDP	Doom, first online first-person shooter	Official
666	TCP		airserv-ng (http://www.aircrack-ng.org/doku.php?id=airserv-ng), aircrack-ng's server for remote-controlling wireless devices	Unofficial
674	TCP		Application Configuration Access Protocol (ACAP)	Official
688	TCP	UDP	REALM-RUSD (ApplianceWare Server Appliance Management Protocol)	Official
690	TCP	UDP	Velneo Application Transfer Protocol (VATP)	Official
691	TCP		MS Exchange Routing	Official
694	TCP	UDP	Linux-HA high-availability heartbeat	Official
695	TCP		IEEE Media Management System over SSL (IEEE-MMS-SSL)[30]	Official
698		UDP	Optimized Link State Routing (OLSR)	Official
700	TCP		Extensible Provisioning Protocol (EPP), a protocol for communication between domain name registries and registrars (RFC 5734)	Official
701	TCP		Link Management Protocol (LMP),[31] a protocol that runs between a pair of nodes and is used to manage traffic engineering (TE) links	Official
702	TCP		IRIS[32][33] (Internet Registry Information Service) over BEEP (Blocks Extensible Exchange Protocol)[34] (RFC 3983)	Official
706	TCP		Secure Internet Live Conferencing (SILC)	Official
711	TCP		Cisco Tag Distribution Protocol[35][36][37]—being replaced by the MPLS Label Distribution Protocol[38]	Official
712	TCP		Topology Broadcast based on Reverse-Path Forwarding routing protocol (TBRPF; RFC 3684)	Official
749	TCP	UDP	Kerberos (protocol) administration	Official
750		UDP	kerberos-iv, Kerberos version IV	Official
751	TCP	UDP	kerberos_master, Kerberos authentication	Unofficial
752		UDP	passwd_server, Kerberos password (kpasswd) server	Unofficial
753	TCP		Reverse Routing Header (RRH)[39]	Official

753		UDP	Reverse Routing Header (RRH)	Official
753		UDP	userreg_server, Kerberos userreg server	Unofficial
754	TCP		tell send	Official
754	TCP		krb5_prop, Kerberos v5 slave propagation	Unofficial
754		UDP	tell send	Official
760	TCP	UDP	krbupdate [kreg], Kerberos registration	Unofficial
782	TCP		Conserver serial-console management server	Unofficial
783	TCP		SpamAssassin spamd daemon	Unofficial
800	TCP	UDP	mdbs-daemon	Official
808	TCP		Microsoft Net.TCP Port Sharing Service	Unofficial
829	TCP		Certificate Management Protocol[40]	Unofficial
830	TCP	UDP	NETCONF over SSH	Official
831	TCP	UDP	NETCONF over BEEP	Official
832	TCP	UDP	NETCONF for SOAP over HTTPS	Official
833	TCP	UDP	NETCONF for SOAP over BEEP	Official
843	TCP		Adobe Flash[41]	Unofficial
847	TCP		DHCP Failover protocol	Official
848	TCP	UDP	Group Domain Of Interpretation (GDOI) protocol	Official
860	TCP		iSCSI (RFC 3720)	Official
861	TCP	UDP	OWAMP control (RFC 4656)	Official
862	TCP	UDP	TWAMP control (RFC 5357)	Official
873	TCP		rsync file synchronization protocol	Official
888	TCP		cddbp, CD DataBase (CDDB) protocol (CDDBP)	Unofficial
888	TCP		IBM Endpoint Manager Remote Control	Unofficial
897	TCP	UDP	Brocade SMI-S RPC	Unofficial
898	TCP	UDP	Brocade SMI-S RPC SSL	Unofficial
901	TCP		Samba Web Administration Tool (SWAT)	Unofficial
901	TCP	UDP	VMware Virtual Infrastructure Client (from managed device to management console)	Unofficial
902	TCP	UDP	ideafarm-door (IdeaFarm (tm) Operations)	Official
902	TCP	UDP	VMware Server Console (from management console to managed device)	Unofficial
903	TCP	UDP	ideafarm-panic (IdeaFarm (tm) Operations)	Official
903	TCP		VMware Remote Console[42]	Unofficial
904	TCP		VMware Server alternate	Unofficial
911	TCP		Network Console on Acid (NCA), local tty redirection over OpenSSH	Unofficial
944		UDP	Network File System Service	Unofficial
953	TCP	UDP	Domain Name System (DNS) RNDC Service	Unofficial
973		UDP	Network File System over IPv6 Service	Unofficial

981	TCP		SofaWare Technologies Remote HTTPS management for firewall devices running embedded Check Point FireWall-1 software	Unofficial
987	TCP		Microsoft Windows SBS SharePoint	Unofficial
989	TCP	UDP	FTPS Protocol (data), FTP over TLS/SSL	Official
990	TCP	UDP	FTPS Protocol (control), FTP over TLS/SSL	Official
991	TCP	UDP	Netnews Administration System (NAS)[43]	Official
992	TCP	UDP	Telnet protocol over TLS/SSL	Official
993	TCP		Internet Message Access Protocol over TLS/SSL (IMAPS)	Official
994	TCP	UDP	Internet Relay Chat over TLS/SSL (IRCS)	Official
995	TCP		Post Office Protocol 3 over TLS/SSL (POP3S)	Official
999	TCP		ScimoreDB Database System	Unofficial
1002	TCP		Opsware agent (aka cogbot)	Unofficial
1010	TCP		ThinLinc Web Administration	Unofficial
1023	TCP	UDP	Reserved[1]	Official

Registered ports

The range of port numbers from 1024 to 49151 are the registered ports. They are assigned by IANA for specific service upon application by a requesting entity.[1] On most systems, registered ports can be used by ordinary users.

This is an **incomplete list** of notable ports. See the Service Name and Transport Protocol Port Number Registry (https://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.txt) of IANA for the complete list of assigned ports.

Port	TCP	UDP	Description	Status
1025	TCP		NFS	Unofficial
1025	TCP		IIS	Unofficial
1025	TCP		Teradata	Unofficial
1026	TCP		Often used by Microsoft DCOM services	Unofficial
1027	TCP		Task scheduler	Unofficial
1027		UDP	Native IPv6 behind IPv4-to-IPv4 NAT Customer Premises Equipment (6a44)[44]	Official
1029	TCP		Microsoft DCOM services	Unofficial
1030	TCP		services.exe	Unofficial
1039	TCP	UDP	NSM Network Status Manager (NFS)	Official
1047	TCP	UDP	NLM Network Lock Manager (NFS)	Official
1048	TCP	UDP	NFS Mount (NFS)	Official
1058	TCP	UDP	nim, IBM AIX Network Installation Manager (NIM)	Official
1059	TCP	UDP	nimreg, IBM AIX Network Installation Manager (NIM)	Official
1064	TCP		lsass.exe	Unofficial
1080	TCP		SOCKS proxy	Official
1085	TCP	UDP	WebObjects	Official
1098	TCP	UDP	rmiactivation, Java remote method invocation (RMI) activation	Official
1099	TCP	UDP	rmiregistry, Java remote method invocation (RMI) registry	Official
1109	TCP		Kerberos Post Office Protocol (KPOP)	Unofficial
1110		UDP	EasyBits School network discovery protocol (for Intel's CMPC platform)	Unofficial
1119	TCP	UDP	Used by some Blizzard games[45]	Unofficial
1140	TCP	UDP	AutoNOC protocol	Official
1167		UDP	Phone, conference calling	Unofficial
1169	TCP	UDP	Tripwire	Official
1176	TCP		Indigo Domotics Home automation server - configuration and control access	Official
1182	TCP	UDP	AcceleNet Intelligent Transfer Protocol	Official
1194	TCP	UDP	OpenVPN	Official
1198	TCP	UDP	The cajo project 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[46]	Official
1200		UDP	scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request	Official
1200		UDP	Steam Friends Applet	Unofficial
1214	TCP		Kazaa	Official
1217	TCP		Uvora Online	Unofficial

1220	TCP		QuickTime Streaming Server administration	Official
1223	TCP	UDP	TrulyGlobal Protocol (TGP, also known as The Gur Protocol (named for Gur Kimchi of TrulyGlobal)	Official
1232	TCP	UDP	first-defense, Remote systems monitoring service from Nexum, Inc	Official
1234		UDP	VLC media player default port for UDP/RTP stream	Unofficial
1234	TCP		Mercurial and git default ports for serving Hyper Text	Unofficial
1236	TCP		Symantec BindView Control UNIX Default port for TCP management server connections	Unofficial
1241	TCP	UDP	Nessus Security Scanner	Official
1270	TCP	UDP	Microsoft System Center Operations Manager (SCOM) (formerly Microsoft Operations Manager (MOM)) agent	Official
1293	TCP	UDP	Internet Protocol Security (IPSec)	Official
1301	TCP		Palmer Performance OBDNet	Unofficial
1306	TCP	UDP	Boomerang	Official
1309	TCP		Altera Quartus jtagd	Official
1311	TCP		Dell OpenManage HTTPS	Official
1313	TCP		Xbiim (Canvii server)	Unofficial
1314	TCP		Festival Speech Synthesis System	Unofficial
1319	TCP		AMX ICSP	Official
1319		UDP	AMX ICSP	Official
1323	TCP	UDP	brcd (Todd Picquelle - multi-purpose application port)	Official
1337	TCP		neo4j-shell	Unofficial
1337	TCP	UDP	Men and Mice DNS	Official
1337	TCP		WASTE Encrypted File Sharing Program	Unofficial
1341	TCP	UDP	Qubes (Manufacturing Execution System)	Official
1344	TCP		Internet Content Adaptation Protocol	Official
1352	TCP		IBM Lotus Notes/Domino (RPC) protocol	Official
1364	TCP		IBM Connect:Direct/FTP+ FTPS Protocol: FTP over TLS/SSL	Unofficial
1387	TCP	UDP	cadsi-lm, LMS International (formerly Computer Aided Design Software, Inc. (CADSI)) LM	Official
1414	TCP		IBM WebSphere MQ (formerly known as MQSeries)	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		Reverse Gossip Transport Protocol (RGTP), used to access a General-purpose Reverse-Ordered Gossip Gathering System (GROGGS) bulletin board, such as that implemented on the Cambridge University's Phoenix system	Official
1433	TCP		Microsoft SQL Server database management system (MSSQL) server	Official

1434	TCP	UDP	Microsoft SQL Server database management system (MSSQL) monitor	Official
1470	TCP		Solarwinds Kiwi Log Server	Official
1481	TCP	UDP	AIRS	Official
1494	TCP	UDP	Citrix XenApp Independent Computing Architecture (ICA) thin client protocol[47]	Official
1500	TCP		IBM Tivoli Storage Manager server	Unofficial
1500	TCP		NetGuard GuardianPro firewall (NT4-based) Remote Management	Unofficial
1501	TCP		IBM Tivoli Storage Manager client scheduler	Unofficial
1501		UDP	NetGuard GuardianPro firewall (NT4-based) Authentication Client	Unofficial
1503	TCP	UDP	Windows Live Messenger (Whiteboard and Application Sharing)	Unofficial
1512	TCP	UDP	Microsoft Windows Internet Name Service (WINS)	Official
1513	TCP	UDP	Garena Garena Gaming Client	Official
1521	TCP		nCube License Manager, SQLnet	Official
1521	TCP		Oracle database default listener, in future releases[48] official port 2483 (TCP/IP) and 2484 (TCP/IP with SSL)	Unofficial
1524	TCP	UDP	ingreslock, ingres	Official
1527	TCP		Apache Derby Network Server default port	Unofficial
1528	TCP		Oracle database common alternative for listener	Unofficial
1528	TCP		Timekoin [49]	Unofficial
1533	TCP		IBM Sametime IM—Virtual Places Chat Microsoft SQL Server	Official
1534		UDP	Eclipse Target Communication Framework (TCF) agent discovery[50]	Unofficial
1547	TCP	UDP	Laplink	Official
1550	TCP	UDP	3m-image-lm Image Storage license manager 3M Company	Official
1550	TCP		Gadu-Gadu (direct client-to-client)	Unofficial
1558	TCP	UDP	Xing StreamWorks Both UDP and TCP were reserved, but only UDP was used.	Official
1580	TCP		IBM Tivoli Storage Manager server web interface	Unofficial
1581	TCP		IBM Tivoli Storage Manager web client	Unofficial
1581		UDP	MIL STD 2045-47001 VMF	Official
1583	TCP		Pervasive PSQL	Unofficial
1589		UDP	Cisco VLAN Query Protocol (VQP) / VLAN Management Policy Server (VMPS)	Unofficial
1590	TCP		GE Smallworld Datastore Server (SWMFS/Smallworld Master Filesystem)	Unofficial
1604	TCP		Darkcomet RAT server (remote administration tool/trojan)	Unofficial
1627			iSketch	Unofficial

1628	TCP		LonWorks Remote Network Interface (RNI)	Official
1628		UDP	LonWorks IP tunneling (ANSI EIA/CEA-852, EN 14908-4)	Official
1629	TCP		Alternate LonWorks Remote Network Interface (RNI)	Official
1629		UDP	LonWorks IP tunneling configuration server (ANSI EIA/CEA-852, EN 14908-4)	Official
1645		UDP	Old radius port, RADIUS authentication protocol. Enabled for compatibility reasons by default on Cisco and Juniper Networks RADIUS servers.[51] Official port is 1812. TCP port 1645 MUST NOT be used.[52]	Unofficial
1646		UDP	Old radacct port, RADIUS accounting protocol. Enabled for compatibility reasons by default on Cisco and Juniper Networks RADIUS servers. Official port is 1813. TCP port 1646 MUST NOT be used.[52]	Unofficial
1666	TCP		Perforce	Unofficial
1677	TCP	UDP	Novell GroupWise clients in client/server access mode	Official
1688	TCP		Microsoft Key Management Service for KMS Windows Activation	Unofficial
1700		UDP	Cisco RADIUS Change of Authorization for TrustSec	Unofficial
1701		UDP	Layer 2 Forwarding Protocol (L2F) & Layer 2 Tunneling Protocol (L2TP)	Official
1707	TCP	UDP	Windward Studios	Official
1707	TCP		Romtoc Interactive Modular Multiplayer Client-Server Online Application Interface & Layer 2 Tunneling Protocol (L2TP)	Unofficial
1716	TCP		America's Army Massively multiplayer online game (MMO)	Unofficial
1719		UDP	H.323 registration and alternate communication	Official
1720	TCP		H.323 call signaling	Official
1723	TCP	UDP	Microsoft Point-to-Point Tunneling Protocol (PPTP)	Official
1725		UDP	Valve Steam Client	Unofficial
1755	TCP	UDP	Microsoft Media Services (MMS, ms-streaming)	Official
1761	TCP	UDP	cft-0	Official
1761	TCP		Novell Zenworks Remote Control utility	Unofficial
1762–1768	TCP	UDP	cft-1 to cft-7	Official
1776	TCP	UDP	Federal Emergency Management Information System	Official
1792	TCP	UDP	Moby	Unofficial
1801	TCP	UDP	Microsoft Message Queuing	Official
1812	TCP	UDP	RADIUS authentication protocol, radius	Official
1813	TCP	UDP	RADIUS accounting protocol, radacct	Official
1863	TCP		Microsoft Notification Protocol (MSNP), used by the Microsoft Messenger service and a number of Instant Messaging clients	Official

1883	TCP	UDP	MQ Telemetry Transport (MQTT), formerly known as MQIsdp (MQSeries SCADA protocol)	Official
1886	TCP		Leonardo over IP Pro2col Ltd	Unofficial
1900		UDP	Microsoft Simple Service Discovery Protocol (SSDP), discovery of UPnP devices	Official
1920	TCP		IBM Tivoli monitoring console	Unofficial
1935	TCP		Adobe Systems Macromedia Flash Real Time Messaging Protocol (RTMP) "plain" protocol	Official
1947	TCP	UDP	SentinelSRM (hasplm), Aladdin HASP License Manager	Official
1967		UDP	Cisco IOS IP Service Level Agreements (IP SLAs) Control Protocol	Unofficial
1970	TCP	UDP	Netop Remote Control	Official
1971	TCP	UDP	Netop School	Official
1972	TCP	UDP	InterSystems Caché	Official
1975–1977		UDP	Cisco TCO[53]	Official
1978	TCP		The Remote Mouse Server Port	Official
1984	TCP		Big Brother and related Xymon (formerly Hobbit) System and Network Monitor	Official
1985		UDP	Cisco Hot Standby Router Protocol (HSRP)	Official
1997	TCP		Chizmo Networks Transfer Tool	Unofficial
1998	TCP	UDP	Cisco X.25 over TCP (XOT) service	Official
2000	TCP	UDP	Cisco SCCP (Skinny)	Official
2001		UDP	CAPTAN Test Stand System	Unofficial
2002	TCP		Secure Access Control Server (ACS) for Windows	Unofficial
2008	TCP		Stylex Secured server	Unofficial
2010	TCP		Artemis: Spaceship Bridge Simulator default	Unofficial
2014	TCP		Remoticus	Unofficial
2030			Oracle services for Microsoft Transaction Server	Unofficial
2031	TCP	UDP	mobrien-chat)	Official
2041	TCP		Mail.Ru Agent communication protocol	Unofficial
2049	TCP	UDP	NFS Network File System	Official
2050		TCP	Snell RollCall	Official
2051		TCP	Snell IQ	Official
2053	TCP		knetd Kerberos de-multiplexor	Unofficial
2055	TCP	UDP	Iliad-Odyssey Protocol	Official
2056		UDP	Civilization 4 multiplayer	Unofficial
2071	TCP	UDP	Axon Control Protocol (ACP)	Official
2074	TCP	UDP	Vertel VMF SA (e.g., App. SpeakFreely)	Official
2077	TCP		TrelliSoft Agent	Official
2080	TCP	UDP	Autodesk NLM (FLEXlm)	Official

2082	TCP		Infowave Mobility Server	Official
2082	TCP		CPanel default	Unofficial
2083	TCP		Secure Radius Service (radsec)	Official
2083	TCP		CPanel default SSL	Unofficial
2086	TCP		GNUnet	Official
2086	TCP		WebHost Manager default	Unofficial
2087	TCP		WebHost Manager default SSL	Unofficial
2095	TCP		CPanel default web mail	Unofficial
2096	TCP		CPanel default SSL web mail	Unofficial
2100	TCP		Warzone 2100 multiplayer	Unofficial
2102	TCP	UDP	zephyr-srv Project Athena Zephyr Notification Service server	Official
2103	TCP	UDP	zephyr-clt Project Athena Zephyr Notification Service serv-hm connection	Official
2104	TCP	UDP	zephyr-hm Project Athena Zephyr Notification Service hostmanager	Official
2105	TCP	UDP	IBM MiniPay	Official
2105	TCP	UDP	eklogin Kerberos encrypted remote login (rlogin)	Unofficial
2105	TCP	UDP	zephyr-hm-srv Project Athena Zephyr Notification Service hm-serv connection (should use port 2102)	Unofficial
2115	TCP	UDP	MIS Department	Unofficial
2121	TCP		FTP proxy	Unofficial
2123		UDP	GTP-C messages	Official
2142		UDP	TDMoIP (RFC 5087)	Official
2144	TCP		Iron Mountain LiveVault Agent	Unofficial
2145	TCP		Iron Mountain LiveVault Agent	Unofficial
2152		UDP	GTP-U messages	Official
2156		UDP	Talari Reliable Protocol	Official
2159	TCP	UDP	GDB remote debug port	Official
2160	TCP		APC Agent	Official
2161	TCP		APC Agent	Official
2179	TCP		VMConnect to Hyper-V hosts	Official
2181	TCP	UDP	EForward-document transport system	Official
2181	TCP		Apache ZooKeeper default client port	Unofficial
2190		UDP	TiVoConnect Beacon	Unofficial
2195	TCP		Apple Push Notification Service [54]	Unofficial
2196	TCP		Apple Push Notification, Feedback [54]	Unofficial
2200		UDP	Tuxanci game server[55]	Unofficial
2210	TCP	UDP	NOAAPORT Broadcast Network	Official
2210	TCP		MikroTik Remote management for "The Dude"	Unofficial

2211		UDP	EMWIN	Official
2211	TCP		EMWIN	Official
2211	TCP		MikroTik Secure management for "The Dude"	Unofficial
2212	TCP	UDP	LeeCO POS Server Service	Official
2212	TCP		Port-A-Pour Remote WinBatch	Unofficial
2219	TCP	UDP	NetIQ NCAP Protocol	Official
2220	TCP	UDP	NetIQ End2End	Official
2221	TCP		ESET anti-virus updates[56]	Unofficial
2222	TCP		ESET remote administrator[56]	Unofficial
2222	TCP		DirectAdmin default	Unofficial
2223	TCP		ESET Remote administrator [56]	Unofficial
2223		UDP	Microsoft Office OS X antipiracy network monitor	Unofficial
2224–2226	TCP		ESET Remote administrator [56]	Unofficial
2261	TCP	UDP	CoMotion master	Official
2262	TCP	UDP	CoMotion backup	Official
2266	TCP	UDP	M-Files	Official
2301	TCP		HP System Management Redirect to port 2381	Unofficial
2302		UDP	ArmA multiplayer (default for game)	Unofficial
2302		UDP	Halo: Combat Evolved multiplayer	Unofficial
2303		UDP	ArmA multiplayer (default for server reporting) *(default port for game +1)*	Unofficial
2305		UDP	ArmA multiplayer (default for VoN) *(default port for game +3)*	Unofficial
2323	TCP		Philips TVs based on jointSPACE[57]	Unofficial
2345	TCP		Default Used by Symon Communications - Symon2KpipeServer -can be changed by administrator to anything	Unofficial
2351	TCP		AIM game LAN network port	Unofficial
2368	TCP		Ghost Blogging Platform	Unofficial
2369	TCP		Default for BMC Software Control-M/Server Configuration Agent, though often changed during installation	Unofficial
2370	TCP		Default for BMC Software Control-M/Server, to allow the Control-M/Enterprise Manager to connect to the Control-M/Server	Unofficial
2375	TCP		Docker REST API (plain)	Official
2376	TCP		Docker REST API (SSL)	Official
2379	TCP		KGS Go Server	Unofficial
2381	TCP		HP Insight Manager default for Web server	Unofficial
2399	TCP		FileMaker Data Access Layer (ODBC/JDBC)	Official
2401	TCP		CVS version control system password-based server	Official

2404	TCP		IEC 60870-5 -104, used to send electric power telecontrol messages between two systems via directly connected data circuits	Official
2420		UDP	Westell Remote Access	Official
2424	TCP		OrientDB database listening for Binary client connections	Official
2427	TCP	UDP	Media Gateway Control Protocol (MGCP) media gateway	Official
2447	TCP	UDP	ovwdb—OpenView Network Node Manager (NNM) daemon	Official
2463	TCP	UDP	LSI RAID Management formerly Symbios Logic	Official
2480	TCP		OrientDB database listening for HTTP client connections	Official
2483	TCP	UDP	Oracle database listening for insecure client connections to the listener, replaces port 1521	Official
2484	TCP	UDP	Oracle database listening for SSL client connections to the listener	Official
2500	TCP		THEÒSMESSENGER listening for TheòsMessenger client connections	Official
2501	TCP		TheosNet-Admin listening for TheòsMessenger client connections	Official
2518	TCP	UDP	Willy	Official
2525	TCP		SMTP alternate	Unofficial
2535	TCP		Multicast Address Dynamic Client Allocation Protocol (MADCAP)	Official
2540	TCP	UDP	LNS/OpenLns Remote Server	Official
2541	TCP		LNS/OpenLns Remote Server	Official
2541		UDP	LonTalk/IP	Official
2546–2548	TCP	UDP	EVault data protection services (Vytal Vault)	Official
2593	TCP	UDP	UOX and RunUO, Ultima Online servers	Unofficial
2598	TCP		ICA (Citrix) with Session Reliability; port 1494 without session reliability[47]	Unofficial
2599	TCP		SonicWALL anti-spam traffic between Remote Analyzer (RA) and Control Center (CC)	Unofficial
2610	TCP		TrackiT mobile device monitoring	Unofficial
2612	TCP	UDP	QPasa from MQSoftware	Official
2636	TCP		Solve Service	Official
2638	TCP		SQL Anywhere database server[58][59]	Official
2641	TCP	UDP	HDL Server from CNRI	Official
2642	TCP	UDP	Tragic	Official
2643	TCP		NetApp SANTricity Storage Manager Jview process	Official
2698	TCP	UDP	Citel/MCK IVPIP	Official
2703	TCP		Vipul's Razor distributed, collaborative, spam-detection-and-filtering network	Unofficial
2710		UDP	XBT Tracker experimental UDP tracker extension	Unofficial

2710	TCP		XBT Tracker	Unofficial
2710	TCP		Knuddels.de	Unofficial
2727	TCP	UDP	Media Gateway Control Protocol (MGCP) media gateway controller (call agent)	Official
2735	TCP	UDP	NetIQ Monitor Console	Official
2809	TCP	UDP	corbaloc:iiop URL, per the CORBA 3.0.3 specification	Official
2809	TCP		IBM WebSphere Application Server (WAS) rmi default (based on CORBA)	Unofficial
2811	TCP		gsi ftp, per the GridFTP specification	Official
2827	TCP		I2P Basic Open Bridge API	Unofficial
2226	TCP		ESET Remote administrator [56]	Unofficial
2868	TCP	UDP	Norman Proprietary Event Protocol (NPEP)	Official
2944		UDP	Megaco text H.248	Unofficial
2945		UDP	Megaco binary (ASN.1) H.248	Unofficial
2947	TCP		gpsd, GPS daemon	Official
2948	TCP	UDP	WAP push Multimedia Messaging Service (MMS)	Official
2949	TCP	UDP	WAP pushsecure Multimedia Messaging Service (MMS)	Official
2967	TCP		Symantec AntiVirus Corporate Edition	Unofficial
3000	TCP		Miralix License server	Unofficial
3000	TCP		Cloud9 Integrated Development Environment server	Unofficial
3000	TCP		Ruby on Rails development default[60]	Unofficial
3000	TCP		Meteor development default[61]	Unofficial
3000		UDP	BitTorrent Sync	Unofficial
3000		UDP	Distributed Interactive Simulation (DIS), modifiable default	Unofficial
3001	TCP		Miralix Phone Monitor	Unofficial
3001	TCP		Opsware 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
3008	TCP		Miralix Proxy	Unofficial
3017	TCP		Miralix IVR and Voicemail	Unofficial
3020	TCP	UDP	CIFS / SMB	Official
3025	TCP		netpd.org	Unofficial
3030	TCP	UDP	NetPanzer	Unofficial
3040	TCP	UDP	GoLabs Update Port / Project Open Cannibal Update Port	Official
3050	TCP	UDP	gds_db (Interbase/Firebird)	Official
3051	TCP	UDP	Galaxy Server (Gateway Ticketing Systems)	Official

3052	TCP	UDP	APC PowerChute Network[1]	Official
3071	TCP	UDP	Call of Duty Black ops	Official
3074	TCP	UDP	Xbox LIVE and/or Games for Windows – Live	Official
3100	TCP		SMAUSA OpCon Scheduler as the default listen port	Official
3101	TCP		BlackBerry Enterprise Server communication to cloud	Unofficial
3119	TCP		D2000 Entis/Actis Application server	Official
3128	TCP		Web caches and the default for the Squid (software)	Unofficial
3128	TCP		Tatsoft default client connection	Unofficial
3141	TCP		devpi (https://pypi.python.org/pypi/devpi/) Python package server[62]	Unofficial
3162	TCP	UDP	Standard Floating License Manager (SFLM)	Official
3180	TCP	UDP	Human Inference Suite6 HTML	Unofficial
3181	TCP	UDP	Human Inference Suite6 HTTPS	Unofficial
3182	TCP	UDP	Human Inference Suite6 AJP	Unofficial
3225	TCP	UDP	Fiber Channel over Internet Protocol (FCIP)	Official
3233	TCP	UDP	WhiskerControl research control protocol	Official
3235	TCP	UDP	Galaxy Network Service (Gateway Ticketing Systems)	Official
3260	TCP		iSCSI target	Official
3268	TCP	UDP	msft-gc, Microsoft Global Catalog (LDAP service which contains data from Active Directory forests)	Official
3269	TCP	UDP	msft-gc-ssl, Microsoft Global Catalog over SSL (similar to port 3268, LDAP over SSL)	Official
3283	TCP		Apple Remote Desktop reporting (officially *Net Assistant*, referring to an earlier product)	Official
3290		UDP	Virtual Air Traffic Simulation network voice communication.	Unofficial
3299	TCP		SAP-Router (routing application proxy for SAP R/3)	Unofficial
3300	TCP	UDP	Debate Gopher backend database system	Unofficial
3305	TCP	UDP	odette-ftp, Odette File Transfer Protocol (OFTP)	Official
3306	TCP	UDP	MySQL database system	Official
3313	TCP		Verisys file integrity monitoring software	Unofficial
3316	TCP		AzimuthVMS database port for the CCTV recording software AzimuthVMS	Unofficial
3323	TCP	UDP	DECE GEODI Server	Unofficial
3333	TCP		Eggdrop, an IRC bot default port[63]	Unofficial
3333	TCP		Network Caller ID server	Unofficial
3333	TCP		CruiseControl.rb[64]	Unofficial
3386	TCP	UDP	GTP' 3GPP GSM/UMTS CDR logging protocol	Official
3389	TCP	UDP	Microsoft Terminal Server (RDP) officially registered as Windows Based Terminal (WBT)[65]	Official
3396	TCP	UDP	Novell NDPS Printer Agent	Official

3412	TCP	UDP	xmlBlaster	Official
3455	TCP	UDP	Reservation Protocol (RSVP)	Official
3423	TCP		Xware xTrm Communication Protocol	Official
3424	TCP		Xware xTrm Communication Protocol over SSL	Official
3478	TCP	UDP	STUN, a protocol for NAT traversal[66]	Official
3478	TCP	UDP	TURN, a protocol for NAT traversal[67] (extension to STUN)	Official
3483		UDP	Slim Devices discovery protocol	Official
3483	TCP		Slim Devices SlimProto protocol	Official
3493	TCP	UDP	Network UPS Tools (NUT)	Official
3516	TCP	UDP	Smartcard Port	Official
3527		UDP	Microsoft Message Queuing	Official
3535	TCP		SMTP alternate[68]	Unofficial
3544		UDP	Teredo tunneling	Official
3562	TCP	UDP	SDBProxy Simple DataBase middle-ware and proxy	Official
3605		UDP	ComCam IO Port	Official
3606	TCP	UDP	Splitlock Server	Official
3632	TCP		Distcc, distributed compiler	Official
3645	TCP	UDP	Cyc	Official
3659		UDP	Battlefield 4	Unofficial
3667	TCP	UDP	Information Exchange	Official
3689	TCP		Digital Audio Access Protocol (DAAP), used by Apple's iTunes and AirPort Express	Official
3690	TCP	UDP	Subversion (SVN) version control system	Official
3702	TCP	UDP	Web Services Dynamic Discovery (WS-Discovery), used by various components of Windows Vista and later	Official
3724	TCP	UDP	Some Blizzard games[45]	Official
3724	TCP		Club Penguin Disney online game for kids	Unofficial
3725	TCP	UDP	Netia NA-ER Port	Official
3768	TCP	UDP	RBLcheckd server daemon	Official
3784		UDP	Bidirectional Forwarding Detection (BFD)for IPv4 and IPv6 (Single Hop) (RFC 5881)	Official
3785		UDP	VoIP program used by Ventrilo	Unofficial
3799		UDP	RADIUS change of authorization	Official
3800	TCP		HGG programs	Unofficial
3804	TCP	UDP	Harman Professional HiQnet protocol	Official
3825	TCP		RedSeal Networks client/server connection	Unofficial
3826	TCP	UDP	WarMUX game server	Official
3826	TCP		RedSeal Networks client/server connection	Unofficial
3835	TCP		RedSeal Networks client/server connection	Unofficial

3841	TCP		ShipRush [69]	Official
3830	TCP	UDP	System Management Agent, developed and used by Cerner to monitor and manage solutions	Official
3856	TCP	UDP	ERP Server Application used by F10 Software	Unofficial
3880	TCP	UDP	IGRS	Official
3868	TCP	SCTP	Diameter base protocol (RFC 3588)	Official
3872	TCP		Oracle Enterprise Manager Remote Agent	Official
3899	TCP		Remote Administrator	Unofficial
3900	TCP		udt_os, IBM UniData UDT OS[70]	Official
3945	TCP	UDP	EMCADS service, a Giritech product used by G/On	Official
3960		UDP	Warframe Online	Unofficial
3962		UDP	Warframe Online	Unofficial
3978	TCP	UDP	OpenTTD game (masterserver and content service)	Unofficial
3979	TCP	UDP	OpenTTD game	Unofficial
3999	TCP	UDP	Norman distributed scanning service	Official
4000	TCP	UDP	Diablo II game	Unofficial
4001	TCP		Microsoft Ants game	Unofficial
4007	TCP		PrintBuzzer printer monitoring socket server	Unofficial
4018	TCP	UDP	Protocol information and warnings	Official
4035	TCP	TCP	IBM Rational Developer for System z Remote System Explorer Daemon	Unofficial
4045	TCP	UDP	Solaris lockd NFS lock daemon/manager	Unofficial
4050	TCP		Mud Master Chat protocol (MMCP) - Peer-to-peer communications between MUD clients.[71]	Unofficial
4069		UDP	Minger Email Address Verification Protocol[72]	Official
4089	TCP	UDP	OpenCORE Remote Control Service	Official
4090	TCP	UDP	Kerio	Official
4093	TCP	UDP	PxPlus Client server interface ProvideX	Official
4096	TCP	UDP	Ascom Timeplex Bridge Relay Element (BRE)	Official
4100			WatchGuard authentication applet default	Unofficial
4105	TCP	UDP	Shofar (ShofarNexus)	Official
4111	TCP		Xgrid	Official
4116	TCP	UDP	Smartcard-TLS	Official
4117	TCP		WatchGuard System Manager	Unofficial
4125	TCP		Microsoft Remote Web Workplace administration	Unofficial
4172	TCP	UDP	Teradici PCoIP	Official
4190	TCP		ManageSieve[73]	Official
4198	TCP	UDP	Escapade Android app[74]	Unofficial
4201	TCP		TinyMUD and various derivatives	Unofficial

4226	TCP	UDP	Aleph One, a computer game	Unofficial
4224	TCP		Cisco Audio Session Tunneling	Unofficial
4242	TCP		Reverse Battle Tetris	Unofficial
4242	TCP		Orthanc DICOM default	Unofficial
4242	TCP		Quassel distributed IRC client	Unofficial
4243	TCP		Docker implementations, redistributions, and setups default[75][76][77]	Unofficial
4243	TCP		CrashPlan	Unofficial
4303	TCP	UDP	Simple Railroad Command Protocol (SRCP)	Official
4321	TCP		Referral Whois (RWhois) Protocol[78]	Official
4323		UDP	Lincoln Electric's ArcLink/XT	Unofficial
4352	TCP		PJLink, by JBMIA for controlling projectors via LAN connections	Official
4443	TCP	UDP	Individual Zone Solutions P/L Remote Mail Checking Protocol	Official
4444	TCP	UDP	Oracle WebCenter Content: Content Server—Intradoc Socket port. (formerly known as Oracle Universal Content Management). Port though often changed during installation Metasploit: Default listener port	Unofficial
4444	TCP	UDP	Xvfb X server virtual frame buffer service	Unofficial
4444–4445	TCP		I2P HTTP/S proxy	Unofficial
4486	TCP	UDP	Integrated Client Message Service (ICMS)	Official
4500		UDP	IPSec NAT Traversal (RFC 3947)	Official
4502–4534	TCP		Microsoft Silverlight connectable ports under non-elevated trust	Official
4505–4506	TCP		Salt master	Unofficial
4534		UDP	Armagetron Advanced server default	Unofficial
4554	TCP		Default Wesk[79] Self-Hosting Port	Unofficial
4560	TCP		default Log4j socketappender port	Unofficial
4567	TCP		Sinatra default server port in development mode (HTTP)	Unofficial
4569		UDP	Inter-Asterisk eXchange (IAX2)	Official
4604	TCP		Identity Registration Protocol	Official
4605	TCP		Direct End to End Secure Chat Protocol	Official
4610–4640	TCP		QualiSystems TestShell Suite Services	Unofficial
4662	TCP	UDP	OrbitNet Message Service	Official
4662	TCP		Default for older versions of eMule[80]	Unofficial
4664	TCP		Google Desktop Search	Unofficial
4672		UDP	Default for older versions of eMule[80]	Unofficial

4711	TCP		eMule optional web interface[80]	Unofficial
4711	TCP		McAfee Web Gateway 7 GUI HTTP default	Unofficial
4712	TCP		McAfee Web Gateway 7 GUI HTTPS default	Unofficial
4713	TCP		PulseAudio sound server	Unofficial
4728	TCP		Computer Associates Desktop and Server Management (DMP)/Port Multiplexer[81]	Official
4729		UDP	GSMTAP[1][82]	Official
4730	TCP	UDP	Gearman's job server	Official
4732		UDP	Digital Airways's OHM server's commands to mobile devices (used mainly for binary SMS)	Official
4739	TCP	UDP	IP Flow Information Export	Official
4747	TCP		Apprentice	Unofficial
4750	TCP		BladeLogic Agent	Unofficial
4753	TCP	UDP	SIMON (service and discovery)	Official
4789		UDP	Virtual eXtensible Local Area Network (VXLAN)[83]	Official
4840	TCP	UDP	OPC UA TCP Protocol for OPC Unified Architecture from OPC Foundation	Official
4843	TCP	UDP	OPC UA TCP Protocol over TLS/SSL for OPC Unified Architecture from OPC Foundation	Official
4847	TCP	UDP	Web Fresh Communication, Quadrion Software & Odorless Entertainment	Official
4848	TCP		Java, Glassfish Application Server administration default	Unofficial
4894	TCP	UDP	LysKOM Protocol A	Official
4899	TCP	UDP	Radmin remote administration tool	Official
4949	TCP		Munin Resource Monitoring Tool	Official
4950	TCP	UDP	Cylon Controls UC32 Communications Port	Official
4982	TCP	UDP	Solar Data Log (JK client app for PV solar inverters)	Unofficial
4993	TCP	UDP	Home FTP Server web Interface Default Port	Unofficial
5000	TCP		commplex-main	Official
5000	TCP		UPnP—Windows network device interoperability	Unofficial
5000	TCP	UDP	VTun, VPN Software	Unofficial
5000		UDP	FlightGear multiplayer[84]	Unofficial
5000	TCP		Synology Inc. Management Console, File Station, Audio Station	Unofficial
5000	TCP		Flask Development Webserver	Unofficial
5000	TCP		Heroku console access	Official
5001	TCP		commplex-link	Official
5001	TCP		Slingbox and Slingplayer	Unofficial
5001	TCP	UDP	Iperf (Tool for measuring TCP and UDP bandwidth performance)	Unofficial
5001	TCP		Synology Inc. Secured Management Console, File Station,	Unofficial

			Audio Station	
5002	TCP		ASSA ARX access control system[85]	Unofficial
5002		UDP	Drobo Dashboard[86]	Unofficial
5003	TCP	UDP	FileMaker	Official
5004	TCP DCCP	UDP	Real-time Transport Protocol media data (RTP) (RFC 3551, RFC 4571)	Official
5005	TCP DCCP	UDP	Real-time Transport Protocol control protocol (RTCP) (RFC 3551, RFC 4571)	Official
5010	TCP	UDP	Registered to: TelePath (the IBM FlowMark workflow-management system messaging platform)[87] The TCP port is now used for: IBM WebSphere MQ Workflow	Official
5011	TCP	UDP	TelePath (the IBM FlowMark workflow-management system messaging platform)[87]	Official
5029	TCP		Sonic Robo Blast 2 (http://www.srb2.org/) : Multiplayer[88]	Unofficial
5031	TCP	UDP	AVM CAPI-over-TCP (ISDN over Ethernet tunneling)	Unofficial
5037	TCP		Android ADB server	Unofficial
5048	TCP		Texai Message Service	Official
5050	TCP		Yahoo! Messenger	Unofficial
5051	TCP		ita-agent Symantec Intruder Alert[89]	Official
5060	TCP	UDP	Session Initiation Protocol (SIP)	Official
5061	TCP		Session Initiation Protocol (SIP) over TLS	Official
5062	TCP	UDP	Localisation access	Official
5064	TCP	UDP	EPICS Channel Access (http://www.aps.anl.gov/epics/base/R3-14/12-docs/CAref.html#port) Server[90]	Official
5065	TCP	UDP	EPICS Channel Access (http://www.aps.anl.gov/epics/base/R3-14/12-docs/CAref.html#port) Repeater Beacon[91]	Official
5070	TCP		Binary Floor Control Protocol (BFCP)[92]	Unofficial
5082	TCP	UDP	Qpur Communication Protocol	Official
5083	TCP	UDP	Qpur File Protocol	Official
5084	TCP	UDP	EPCglobal Low Level Reader Protocol (LLRP)	Official
5085	TCP	UDP	EPCglobal Low Level Reader Protocol (LLRP) over TLS	Official
5093		UDP	SafeNet, Inc Sentinel LM, Sentinel RMS, License Manager, client-to-server	Official
5099	TCP	UDP	SafeNet, Inc Sentinel LM, Sentinel RMS, License Manager, server-to-server	Official
5104	TCP		IBM Tivoli Framework NetCOOL/Impact[93] HTTP Service	Unofficial
5106	TCP		A-Talk Common connection	Unofficial
5107	TCP		A-Talk Remote server connection	Unofficial
5108	TCP		VPOP3 Mail Server Webmail	Unofficial

5109	TCP	UDP	VPOP3 Mail Server Status	Unofficial
5110	TCP		ProRat Server	Unofficial
5121	TCP		Neverwinter Nights	Unofficial
5124	TCP	UDP	TorgaNET (Micronational Darknet)	Unofficial
5125	TCP	UDP	TorgaNET (Micronational Intelligence Darknet)	Unofficial
5150	TCP	UDP	ATMP Ascend Tunnel Management Protocol[94]	Official
5150	TCP	UDP	Malware Cerberus RAT	Unofficial
5151	TCP		ESRI SDE Instance	Official
5151		UDP	ESRI SDE Remote Start	Official
5154	TCP	UDP	BZFlag	Official
5176	TCP		ConsoleWorks default UI interface	Unofficial
5190	TCP		ICQ and AOL Instant Messenger	Official
5222	TCP		Extensible Messaging and Presence Protocol (XMPP) client connection[95][96]	Official
5223	TCP		Extensible Messaging and Presence Protocol (XMPP) client connection over SSL	Unofficial
5228	TCP		HP Virtual Room Service	Official
5228	TCP		Google Play, Android Cloud to Device Messaging Service, Google Cloud Messaging	Unofficial
5246		UDP	Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP control[97]	Official
5247		UDP	Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP data[97]	Official
5269	TCP		Extensible Messaging and Presence Protocol (XMPP) server-to-server connection[95][96]	Official
5280	TCP		Extensible Messaging and Presence Protocol (XMPP) XEP-0124: Bidirectional-streams Over Synchronous HTTP (BOSH) (http://xmpp.org/extensions/xep-0124.html)	Official
5281	TCP		Undo License Manager	Official
5281	TCP		Extensible Messaging and Presence Protocol (XMPP)[98]	Unofficial
5298	TCP	UDP	Extensible Messaging and Presence Protocol (XMPP)[99]	Official
5310	TCP	UDP	Outlaws (1997 video game). Both UDP and TCP are reserved, but only UDP is used	Official
5349	TCP		STUN (TLS over TCP), a protocol for NAT traversal[66]	Official
5349	TCP		TURN (TLS over TCP), a protocol for NAT traversal[67]	Official
5351	TCP	UDP	NAT Port Mapping Protocol—client-requested configuration for inbound connections through network address translators	Official
5353		UDP	Multicast DNS (mDNS)	Official
5355	TCP	UDP	Link-Local Multicast Name Resolution (LLMNR), allows hosts to perform name resolution for hosts on the same local link (only provided by Windows Vista and Server 2008)	Official

5357	TCP	UDP	Web Services for Devices (WSDAPI) (only provided by Windows Vista, Windows 7 and Server 2008)	Unofficial
5358	TCP	UDP	WSDAPI Applications to Use a Secure Channel (only provided by Windows Vista, Windows 7 and Server 2008)	Unofficial
5394		UDP	Kega Fusion, a Sega multi-console emulator[100][101]	Unofficial
5402	TCP	UDP	mftp, Stratacache[102] OmniCast (http://stratacache.com/1!_omnicast.html) content delivery system MFTP file sharing protocol	Official
5405	TCP	UDP	NetSupport Manager	Official
5412	TCP	UDP	IBM Rational Synergy (Telelogic Synergy) (Continuus CM) Message Router	Official
5413	TCP	UDP	Wonderware SuiteLink service	Official
5417	TCP	UDP	SNS Agent	Official
5421	TCP	UDP	NetSupport Manager	Official
5432	TCP	UDP	PostgreSQL database system	Official
5433	TCP		Bouwsoft file/webserver[103]	Unofficial
5445		UDP	Cisco Unified Video Advantage	Unofficial
5450	TCP		OSIsoft PI Server Client Access	Unofficial
5454	TCP		OSIsoft PI Asset Framework 1.x Client Access	Unofficial
5455	TCP		OSIsoft PI Asset Framework 1.x Client Access	Unofficial
5457	TCP		OSIsoft PI Asset Framework 2.x Client Access	Unofficial
5458	TCP		OSIsoft PI Notifications Client Access	Unofficial
5459	TCP		OSIsoft PI Asset Framework 2.x Client Access	Unofficial
5463	TCP		OSIsoft PI Asset Based Analytics	Unofficial
5468	TCP		OSIsoft PI Event Driven Notifications Client Access	Unofficial
5480	TCP		VMware VAMI (Virtual Appliance Management Infrastructure)—used for initial setup of various administration settings on Virtual Appliances designed using the VAMI architecture.	Unofficial
5481	TCP		Schneider Electric's ClearSCADA (SCADA implementation for Windows) — used for client-to-server communication.[104]	Unofficial
5495	TCP		IBM Cognos TM1 Admin server	Unofficial
5498	TCP		Hotline tracker server connection	Unofficial
5499		UDP	Hotline tracker server discovery	Unofficial
5500	TCP		VNC remote desktop protocol—for incoming listening viewer, Hotline control connection	Unofficial
5501	TCP		Hotline file transfer connection	Unofficial
5517	TCP		Setiqueue Proxy server client for SETI@Home project	Unofficial
5550	TCP		Hewlett-Packard Data Protector	Unofficial
5555	TCP	UDP	Oracle WebCenter Content: Inbound Refinery—Intradoc Socket port. (formerly known as Oracle Universal Content Management). Port though often changed during installation	Unofficial

5555	TCP		Freeciv versions up to 2.0, Hewlett-Packard Data Protector, McAfee EndPoint Encryption Database Server, SAP, Default for Microsoft Dynamics CRM 4.0	Unofficial
5556	TCP	UDP	Freeciv, Oracle WebLogic Server Node Manager[105]	Official
5591	TCP		Default for Tidal Enterprise Scheduler master-Socket used for communication between Agent-to-Master, though can be changed	Unofficial
5631	TCP		pcANYWHEREdata, Symantec pcAnywhere (version 7.52 and later[106])[107] data	Official
5632		UDP	pcANYWHEREstat, Symantec pcAnywhere (version 7.52 and later) status	Official
6541	TCP		MirrorOp2 (default)	Unofficial
6542	TCP		MirrorOp2 (fallback)	Unofficial
5656	TCP		IBM Lotus Sametime p2p file transfer	Unofficial
5666	TCP		NRPE (Nagios)	Unofficial
5667	TCP		NSCA (Nagios)	Unofficial
5670	TCP		FILEMQ ZeroMQ File Message Queuing Protocol	Official
5670		UDP	ZRE-DISC ZeroMQ Realtime Exchange Protocol (Discovery)	Official
5672	TCP		AMQP[108]	Official
5678		UDP	Mikrotik RouterOS Neighbor Discovery Protocol (MNDP)	Unofficial
5683		UDP	Constrained Application Protocol (CoAP)	Official
5718	TCP		Microsoft DPM Data Channel (with the agent coordinator)	Unofficial
5719	TCP		Microsoft DPM Data Channel (with the protection agent)	Unofficial
5721	TCP	UDP	Kaseya	Unofficial
5723	TCP		System Center Operations Manager[109]	Unofficial
5724	TCP		Operations Manager Console	Unofficial
5741	TCP	UDP	IDA Discover Port 1	Official
5742	TCP	UDP	IDA Discover Port 2	Official
5800	TCP		VNC remote desktop protocol over HTTP	Unofficial
5814	TCP	UDP	Hewlett-Packard Support Automation (HP OpenView Self-Healing Services)	Official
5850	TCP		COMIT SE (PCR)	Unofficial
5852	TCP		Adeona client: communications to OpenDHT	Unofficial
5881	TCP		SAP Americas Cockpit Framework	Unofficial
5900	TCP	UDP	Remote Frame Buffer protocol (RFB), Virtual Network Computing (VNC) remote desktop protocol[110]	Official
5912	TCP		Tidal Enterprise Scheduler agent default, for Master-to-Agent	Unofficial
5931	TCP	UDP	AMMYY admin Remote Control	Official
5938	TCP	UDP	TeamViewer remote desktop protocol[111]	Unofficial

5984	TCP	UDP	CouchDB database server	Official
5985	TCP		Windows PowerShell Default psSession Port[112]	Official
5986	TCP		Windows PowerShell Default psSession Port[112]	Official
5988–5989	TCP		CIM XML transactions over HTTP/S—VMware vCenter ESXi management[113]	Unofficial
5999	TCP		CVSup file update tool[114]	Official
6000-6063	TCP	UDP	X11—used between an X client and server over the network	Official
6005	TCP		Default for BMC Software Control-M/Server—Socket used for communication between Control-M processes—though often changed during installation	Unofficial
6005	TCP		Default for Camfrog chat & cam client	Unofficial
6009	TCP		JD Edwards EnterpriseOne ERP system JDENet messaging client listener	Unofficial
6050	TCP		Arcserve backup	Unofficial
6050	TCP		Nortel software	Unofficial
6051	TCP		Arcserve backup	Unofficial
6072	TCP		iOperator Protocol Signal Port	Unofficial
6086	TCP		Peer Distributed Transfer Protocol (PDTP), FTP like file server in a P2P network	Official
6100	TCP		Vizrt System	Unofficial
6100	TCP		Ventrilo authentication for version 3	Official
6101	TCP		Backup Exec Agent Browser	Unofficial
6110	TCP	UDP	softcm, HP Softbench CM	Official
6111	TCP	UDP	spc, HP Softbench Sub-Process Control	Official
6112	TCP	UDP	dtspcd, execute commands and launch applications remotely	Official
6112	TCP		Blizzard's Battle.net gaming service and some games,[45] ArenaNet gaming service, Relic gaming service	Unofficial
6112	TCP		Club Penguin Disney online game for kids	Unofficial
6113	TCP		Club Penguin Disney online game for kids, Used by some Blizzard games[45]	Unofficial
6129	TCP		DameWare Remote Control	Official
6159	TCP		ARINC 840 EFB Application Control Interface	Official
6200	TCP		Oracle WebCenter Content Portable: Content Server (With Native UI) and Inbound Refinery	Unofficial
6201	TCP		Oracle WebCenter Content Portable: Admin	Unofficial
6225	TCP		Oracle WebCenter Content Portable: Content Server Web UI	Unofficial
6227	TCP		Oracle WebCenter Content Portable: JavaDB	Unofficial
6230	TCP		Codenger Dev Server (http://codenger.com/)	Unofficial
6240	TCP		Oracle WebCenter Content Portable: Capture	Unofficial

6244	TCP	UDP	Oracle WebCenter Content Portable: Content Server—Intradoc Socket port	Unofficial
6255	TCP	UDP	Oracle WebCenter Content Portable: Inbound Refinery—Intradoc Socket port	Unofficial
6257		UDP	WinMX (see also 6699)	Unofficial
6260	TCP	UDP	planet M.U.L.E.	Unofficial
6262	TCP		Sybase Advantage Database Server	Unofficial
6324	TCP	UDP	Hall Research (http://www.hallresearch.com/) Device discovery and configuration	Official
6343		UDP	SFlow, sFlow traffic monitoring	Official
6346	TCP	UDP	gnutella-svc, gnutella (FrostWire, Limewire, Shareaza, etc.)	Official
6347	TCP	UDP	gnutella-rtr, Gnutella alternate	Official
6350	TCP	UDP	App Discovery and Access Protocol	Official
6379	TCP		Redis key-value data store	Official
6389	TCP		EMC CLARiiON	Unofficial
6432	TCP		PgBouncer—A connection pooler for PostgreSQL	Official
6436	TCP		Leap Motion Websocket Server TLS	Unofficial
6437	TCP		Leap Motion Websocket Server	Unofficial
6444	TCP	UDP	Sun Grid Engine Qmaster Service	Official
6445	TCP	UDP	Sun Grid Engine Execution Service	Official
6513	TCP		NETCONF over TLS	Official
6514	TCP		Syslog over TLS[115]	Official
6502	TCP	UDP	Netop Remote Control	Unofficial
6515	TCP	UDP	Elipse RPC Protocol (REC)	Official
6522	TCP		Gobby (and other libobby-based software)	Unofficial
6523	TCP		Gobby 0.5 (and other libinfinity-based software)	Unofficial
6543	TCP		Pylons project#Pyramid Default Pylons Pyramid web service port	Unofficial
6543		UDP	Paradigm Research & Development (http://www.p-rd.com/index.html) Jetnet[116] default	Unofficial
6556	TCP		Check MK Agent	Unofficial
6566	TCP		SANE (Scanner Access Now Easy)—SANE network scanner daemon[117]	Official
6560–6561	TCP		Speech-Dispatcher daemon	Unofficial
6571			Windows Live FolderShare client	Unofficial
6600	TCP		Microsoft Hyper-V Live	Official
6600	TCP		Music Player Daemon (MPD)	Unofficial
6601	TCP		Microsoft Forefront Threat Management Gateway	Official
6602	TCP		Microsoft Windows WSS Communication	Official
6619	TCP	UDP	odette-ftps, Odette File Transfer Protocol (OFTP) over TLS/SSL	Official

6622	TCP	UDP	Multicast FTP	Official
6646		UDP	McAfee Network Agent	Unofficial
6653	TCP		Openflow 1.3	Official
6660–6664	TCP		Internet Relay Chat (IRC)	Unofficial
6665–6669	TCP		Internet Relay Chat (IRC)	Official
6679	TCP	UDP	Osorno Automation Protocol (OSAUT)	Official
6679	TCP		IRC SSL (Secure Internet Relay Chat)—often used	Unofficial
6690	TCP		Synology Cloud station	Unofficial
6697	TCP		IRC SSL (Secure Internet Relay Chat)—often used	Official
6699	TCP		WinMX (see also 6257)	Unofficial
6702	TCP		Default for Tidal Enterprise Scheduler client-Socket used for communication between Client-to-Master, though can be changed	Unofficial
6715	TCP		AberMUD and derivatives default port	Unofficial
6771		UDP	Polycom server broadcast	Unofficial
6783–6785	TCP		Splashtop Remote server broadcast	Unofficial
6789	TCP		Campbell Scientific Loggernet Software[118]	Unofficial
6789	TCP		Bucky's Instant Messaging Program	Unofficial
6869	TCP		Derandom default server	Unofficial
6881–6887	TCP	UDP	BitTorrent part of full range of ports used most often	Unofficial
6888	TCP	UDP	MUSE	Official
6888	TCP	UDP	BitTorrent part of full range of ports used most often	Unofficial
6889–6890	TCP	UDP	BitTorrent part of full range of ports used most often	Unofficial
6891–6900	TCP	UDP	BitTorrent part of full range of ports used most often	Unofficial
6891–6900	TCP	UDP	Windows Live Messenger (File transfer)	Unofficial
6901	TCP	UDP	Windows Live Messenger (Voice)	Unofficial
6901	TCP	UDP	BitTorrent part of full range of ports used most often	Unofficial
6902–6968	TCP	UDP	BitTorrent part of full range of ports used most often	Unofficial
6969	TCP	UDP	acmsoda	Official
6969	TCP		BitTorrent tracker	Unofficial
6970–6999	TCP	UDP	BitTorrent part of full range of ports used most often	Unofficial
7000	TCP		Default for Vuze's built in HTTPS Bittorrent Tracker	Unofficial
7000	TCP		Avira Server Management Console	Unofficial

7001	TCP		Avira Server Management Console	Unofficial
7001	TCP		Default for BEA WebLogic Server's HTTP server, though often changed during installation	Unofficial
7002	TCP		Default for BEA WebLogic Server's HTTPS server, though often changed during installation	Unofficial
7005	TCP		Default for BMC Software Control-M/Server and Control-M/Agent for Agent-to-Server, though often changed during installation	Unofficial
7006	TCP		Default for BMC Software Control-M/Server and Control-M/Agent for Server-to-Agent, though often changed during installation	Unofficial
7010	TCP		Default for Cisco AON AMC (AON Management Console)[119]	Unofficial
7022	TCP		Database mirroring endpoints[120]	Unofficial
7023		UDP	Bryan Wilcutt T2-NMCS Protocol for SatCom Modems	Official
7025	TCP		Zimbra LMTP [mailbox]—local mail delivery	Unofficial
7047	TCP		Zimbra conversion server	Unofficial
7080			Sepialine Argos Communications port	Unofficial
7133	TCP		Enemy Territory: Quake Wars	Unofficial
7144	TCP		Peercast	Unofficial
7145	TCP		Peercast	Unofficial
7171	TCP		Tibia	Unofficial
7262	TCP	UDP	CNAP (Calypso Network Access Protocol)	Official
7272	TCP	UDP	WatchMe - WatchMe Monitoring	Official
7306	TCP		Zimbra mysql [mailbox]	Unofficial
7307	TCP		Zimbra mysql [logger]	Unofficial
7312		UDP	Sibelius License Server	Unofficial
7396	TCP		Web control interface for Folding@home v7.3.6 and later[121]	Unofficial
7400	TCP	UDP	RTPS (Real Time Publish Subscribe) DDS Discovery	Official
7401	TCP	UDP	RTPS (Real Time Publish Subscribe) DDS User-Traffic	Official
7402	TCP	UDP	RTPS (Real Time Publish Subscribe) DDS Meta-Traffic	Official
7471	TCP		Stateless Transport Tunneling (STT)	Unofficial
7473	TCP		Rise: The Vieneo Province	Official
7474	TCP		Neo4J Server webadmin[122]	Official
7509	TCP		ACPLT - process automation service	Official
7547	TCP	UDP	CPE WAN Management Protocol (CWMP) Technical Report 069	Official
7575		UDP	Populous: The Beginning server	Unofficial
7624	TCP	UDP	Instrument Neutral Distributed Interface	Official
7631	TCP		ERLPhase	Official
7634	TCP		hddtemp—Utility to monitor hard drive temperature	Unofficial

7652–7654	TCP		I2P anonymizing overlay network	Unofficial
7655		UDP	I2P SAM Bridge Socket API	Unofficial
7656–7660	TCP		I2P anonymizing overlay network	Unofficial
7670	TCP		BrettspielWelt BSW Boardgame Portal	Unofficial
7676	TCP		Aqumin AlphaVision Remote Command Interface	Unofficial
7700		UDP	P2P DC (RedHub)	Unofficial
7707–7708		UDP	Killing Floor	Unofficial
7717		UDP	Killing Floor	Unofficial
7777	TCP		iChat server file transfer proxy	Unofficial
7777	TCP		Oracle Cluster File System 2	Unofficial
7777	TCP		Windows backdoor program tini.exe default	Unofficial
7777	TCP		Just Cause 2: Multiplayer Mod Server	Unofficial
7777	TCP		Xivio default Chat Server	Unofficial
7777	TCP		Terraria default server	Unofficial
7777		UDP	San Andreas Multiplayer (SA-MP) default port server	Unofficial
7778	TCP		Bad Trip MUD (http://www.badtripmud.com/)	Unofficial
7777–7788	TCP	UDP	Unreal Tournament series default server	Unofficial
7787–7788	TCP		GFI EventsManager 7 & 8	Official
7831	TCP		Default used by Smartlaunch Internet Cafe Administration[123] software	Unofficial
7880	TCP	UDP	PowerSchool Gradebook Server	Unofficial
7890	TCP		Default that will be used by the iControl Internet Cafe Suite Administration software	Unofficial
7915	TCP		Default for YSFlight server[124]	Unofficial
7935	TCP		Fixed port used for Adobe Flash Debug Player to communicate with a debugger (Flash IDE, Flex Builder or fdb).[125]	Unofficial
7937–9936	TCP	UDP	EMC^2 (Legato) Networker or Sun Solstice Backup	Official
8000	TCP	UDP	iRDMI (Intel Remote Desktop Management Interface)[126] —sometimes erroneously used instead of port 8080	Official
8000	TCP		Commonly used for Internet radio streams such as SHOUTcast	Unofficial
8000	TCP		Splunk web-interface	Unofficial
8000	TCP		FreemakeVideoCapture service (part of Freemake Video Downloader)[127]	Unofficial
8000	TCP		DynamoDB Local[128]	Unofficial

8000	TCP		Nortel Contivity Router Firewall User Authentication (FWUA) default port number	Unofficial
8000	TCP		frePPLe (http://frepple.com) - open source production planning default port number	Unofficial
8001	TCP		Commonly used for Internet radio streams such as SHOUTcast	Unofficial
8002	TCP		Cisco Systems Unified Call Manager Intercluster	Unofficial
8005	TCP		Apache Tomcat's Shutdown port	Unofficial
8006	TCP		Dell AppAssure 5 API and Replication[129]	Official
8007	TCP		Dell AppAssure 5 Engine[129]	Official
8008	TCP		HTTP Alternate	Official
8008	TCP		IBM HTTP Server administration default	Unofficial
8009	TCP		ajp13—Apache JServ Protocol AJP Connector	Unofficial
8010	TCP		XMPP File transfers	Unofficial
8011–8013	TCP		HTTP/TCP Symon Communications Event and Query Engine	Unofficial
8014	TCP		HTTP/TCP Symon Communications Event and Query Engine	Unofficial
8014	TCP	UDP	Perseus SDR Receiver (http://www.microtelecom.it/perseus/) default remote connection port	Unofficial
8020	TCP		360Works SuperContainer (http://360works.com/supercontainer/)[130]	Unofficial
8042	TCP		Orthanc—Default HTTP Port for GUI	Unofficial
8069	TCP		OpenERP Default HTTP port (web interface and xmlrpc calls)	Unofficial
8070	TCP		OpenERP Legacy netrpc protocol	Unofficial
8074	TCP		Gadu-Gadu	Unofficial
8075	TCP		Killing Floor	Unofficial
8078	TCP	UDP	Default port for most Endless Online-based servers	Unofficial
8080	TCP		HTTP alternate (http_alt)—commonly used for Web proxy and caching server, or for running a Web server as a non-root user	Official
8080	TCP		Apache Tomcat	Unofficial
8080	TCP		M2MLogger (http://www.m2mlogger.com/) WebFRONT Cloud connector	Unofficial
8080	TCP		Atlassian Jira (default port) [131]	Unofficial
2/8080		UDP	FilePhile Master/Relay	Unofficial
8080	TCP		Vermont Systems / RecTrac Vermont Systems RecTrac (WebTrac) network installer	Unofficial
8081	TCP		HTTP alternate, VibeStreamer, e.g. McAfee ePolicy Orchestrator (ePO)	Unofficial
8083		UDP	Transporter Connected Data, Inc.	Unofficial

8085		TCP/UDP	Wiki Service uses TCP (Mac OS X Server v10.5 and later) / inSpeak Communicator uses both TCP/UDP.	Unofficial
8085		UDP	Some Blizzard games. Used in World of Warcraft for in-game world communication.	Unofficial
8086	TCP		HELM Web Host Automation Windows Control Panel	Unofficial
8086	TCP		Kaspersky AV Control Center	Unofficial
8087	TCP		Hosting Accelerator Control Panel	Unofficial
8087	TCP		Parallels Plesk Control Panel	Unofficial
8087		UDP	Kaspersky AV Control Center	Unofficial
8088	TCP		Asterisk (PBX) Web Configuration utility (GUI Addon)	Unofficial
8089	TCP		Splunk REST API endpoint. This port is NOT used for any forwarding or indexing. It is used only for command and control functions.	Unofficial
8089	TCP		AVM Fritzbox for automatic tr069 configuration.	Unofficial
8090	TCP		Atlassian Confluence (default port) [131]	Unofficial
8090	TCP		Coral Content Distribution Network (deprecated; 80 and 8080 now supported)[132]	Unofficial
8090	TCP		EasyLog (http://www.rizhiyi.com/) Web Application	Unofficial
8091	TCP		CouchBase Web Administration	Unofficial
8092	TCP		CouchBase API	Unofficial
8100	TCP		Console Gateway License Verification	Unofficial
8111	TCP		JOSM Remote Control	Unofficial
8112	TCP		PAC Pacifica Coin	Unofficial
8116		UDP	Check Point Cluster Control Protocol	Unofficial
8118	TCP		Privoxy—advertisement-filtering Web proxy	Official
8123	TCP		Polipo Web proxy	Official
8123	TCP		Bukkit DynMap Default Webserver Bind Address	Unofficial
8139	TCP		Puppet (software) Client agent	Unofficial
8140	TCP		Puppet (software) Master server	Unofficial
8172	TCP		Microsoft Remote Administration for IIS Manager[133]	Unofficial
8176	TCP		Indigo Domotics (http://www.indigodomo.com/) Indigo (http://www.indigodomo.com/) Home automation server—control access	Unofficial
8180	TCP		EasyLog (http://www.rizhiyi.com/) server—management and monitoring	Unofficial
8184	TCP		NCSA Brown Dog Data Access Proxy	Unofficial
8192–8194	TCP		Sophos Remote Management System	Unofficial
8194	TCP		Bloomberg Application[1]	Official
8195	TCP		Bloomberg Application	Unofficial
8200	TCP		GoToMyPC	Unofficial

8222	TCP		VMware Server Management User Interface[134] (insecure Web interface).[135] See also port 8333	Unofficial
8243	TCP	UDP	HTTPS listener for Apache Synapse[136]	Official
8245	TCP		Dynamic DNS for at least No-IP and DyDNS[137]	Unofficial
8280	TCP	UDP	HTTP listener for Apache Synapse[136]	Official
8281	TCP		HTTP Listener for Gatecraft Plugin	Unofficial
8291	TCP		Winbox—Default on a MikroTik RouterOS for a Windows application used to administer MikroTik RouterOS[138]	Unofficial
8303		UDP	Teeworlds Server	Unofficial
8330	TCP		MultiBit HD, [1] (https://multibit.org/)	Unofficial
8331	TCP		MultiBit, [2] (https://multibit.org/)	Unofficial
8332	TCP		Bitcoin JSON-RPC server[139]	Unofficial
8333	TCP		Bitcoin[140]	Unofficial
8333	TCP		VMware Server Management User Interface[134] (secure Web interface).[135] See also port 8222	Unofficial
8337	TCP		VisualSVN Distributed File System Service (VDFS)[141]	Unofficial
8384	TCP		Syncthing web GUI	Unofficial
8400	TCP	UDP	cvp, CommVault Unified Data Management	Official
8442	TCP	UDP	CyBro A-bus, Cybrotech Ltd. (http://www.cybrotech.co.uk/)	Official
8443	TCP		SW Soft Plesk Control Panel, Apache Tomcat SSL, Promise WebPAM SSL, McAfee ePolicy Orchestrator (ePO)	Unofficial
8444	TCP		Bitmessage	Unofficial
8484	TCP		MapleStory Login Server	Unofficial
8500	TCP	UDP	ColdFusion Macromedia/Adobe ColdFusion default and Duke Nukem 3D—default	Unofficial
8501	TCP		[3] (http://www.dukesterx.net/) DukesterX —default	Unofficial
8530	TCP		Windows Server Update Services	Official
8531	TCP		Windows Server Update Services over TLS/SSL (HTTPS)	Official
8580	TCP		Freegate	Unofficial
8585–8589	TCP		MapleStory Game Server	Unofficial
8601	TCP		Wavestore CCTV protocol[142]	Unofficial
8602	TCP	UDP	Wavestore Notification protocol[142]	Unofficial
8629	TCP		Tibero database default port	Unofficial
8642	TCP		Lotus Traveller	Unofficial
8691	TCP		Ultra Fractal default server port for distributing calculations over network computers	Unofficial
8701–8702		UDP	SoftPerfect Bandwidth Manager	Unofficial

8742	TCP		avast! WebShield	Unofficial
8767		UDP	TeamSpeak default	Unofficial
8768		UDP	TeamSpeak alternate	Unofficial
8778	TCP		EPOS Speech Synthesis System	Unofficial
8787–8788	TCP		MapleStory CashShop Game Server	Unofficial
8834			Nessus web	Unofficial
8835			Passive Vulnerability Scanner web	Unofficial
8836			Log Correlation Engine web	Unofficial
8840	TCP		Opera Unite server	Unofficial
8845	TCP		Sage Group Sage AutoUpdate Manager Service	Unofficial
8880	TCP	UDP	cddbp-alt, CD DataBase (CDDB) protocol (CDDBP) alternate	Official
8880	TCP		WebSphere Application Server SOAP connector default	Unofficial
8880	TCP		Win Media Streamer to Server SOAP connector default	Unofficial
8881	TCP		Atlasz Informatics Research Ltd Secure Application Server	Unofficial
8881	TCP		Netflexity Inc QFlex—IBM WebSphere MQ monitoring software	Unofficial
8882	TCP		Atlasz Informatics Research Ltd Secure Application Server	Unofficial
8883	TCP	UDP	Secure MQ Telemetry Transport (MQTT over SSL)	Official
8886	TCP		PPM3 (Padtec Management Protocol version 3)	Unofficial
8887	TCP		HyperVM HTTP	Official
8888	TCP		HyperVM HTTPS	Official
8888	TCP		Freenet HTTP	Unofficial
8888	TCP	UDP	NewsEDGE server	Official
8888	TCP		Sun Answerbook dwhttpd server (deprecated by docs.sun.com (http://docs.sun.com/app/docs))	Unofficial
8888	TCP		GNUmp3d HTTP music streaming and Web interface	Unofficial
8888	TCP		LoLo Catcher HTTP Web interface (www.optiform.com)	Unofficial
8888	TCP		D2GS Admin Console Telnet administration console for D2GS servers (Diablo 2)	Unofficial
8888	TCP		Earthland Relams 2 Server (AU1_2)	Unofficial
8888–8889	TCP		MAMP Server	Unofficial
8889	TCP		Earthland Relams 2 Server (AU1_1)	Unofficial
8937	TCP		Transaction Warehouse Data Service (TWDS)	Official
8983	TCP		Default for Apache Solr[143]	Unofficial
8998	TCP		I2P Monotone Repository	Unofficial
8989	TCP		STEP Bible	Unofficial
9000	TCP		SonarQube Web Server[144]	Unofficial
9000	TCP		Buffalo LinkSystem Web access	Unofficial

9000	TCP		DBGp	Unofficial
9000	TCP		SqueezeCenter web server & streaming	Unofficial
9000		UDP	UDPCast	Unofficial
9000	TCP		Play! Framework web server[145]	Unofficial
9000	TCP		Hadoop NameNode default port	Unofficial
9000	TCP		PHP-FPM default port	Unofficial
9000	TCP		QBittorrent's embedded torrent tracker default port[146]	Unofficial
9001	TCP	UDP	ETL Service Manager[147]	Official
9001			Microsoft SharePoint authoring environment	Unofficial
9001			cisco-xremote router configuration	Unofficial
9001			Tor network default	Unofficial
9001	TCP		DBGp Proxy	Unofficial
9001	TCP		HSQLDB default port	Unofficial
9002			Newforma Server comms	Unofficial
9009	TCP	UDP	Pichat Server—Peer to peer chat software	Official
9010	TCP		TISERVICEMANAGEMENT Numara Track-It!	Unofficial
9020	TCP		WiT WiT Services	Official
9025	TCP		WiT WiT Services	Official
9030	TCP		Tor often used	Unofficial
9042	TCP		Apache Cassandra native protocol clients	Unofficial
9043	TCP		WebSphere Application Server Administration Console secure	Unofficial
9050–9051	TCP		Tor	Unofficial
9060	TCP		WebSphere Application Server Administration Console	Unofficial
9080	TCP	UDP	glrpc, Groove Collaboration software GLRPC	Official
9080	TCP		WebSphere Application Server HTTP Transport (port 1) default	Unofficial
9080	TCP		Remote Potato by FatAttitude, Windows Media Center addon	Unofficial
9080	TCP		ServerWMC, Windows Media Center addon	Unofficial
9090	TCP	UDP	WebSM	Unofficial
9090	TCP		Webwasher, Secure Web, McAfee Web Gateway—Default Proxy Port	Unofficial
9090	TCP		Openfire Administration Console	Unofficial
9090	TCP		SqueezeCenter control (CLI)	Unofficial
9090	TCP		Cherokee Admin Panel	Unofficial
9091	TCP		Openfire Administration Console (SSL Secured)	Unofficial
9091	TCP		Transmission (BitTorrent client) Web Interface	Unofficial
9092	TCP		H2 (DBMS) Database Server	Unofficial

9100	TCP		PDL Data Stream	Official
9100	TCP	UDP	LPR - RAW Printing	Official
9101	TCP	UDP	Bacula Director	Official
9102	TCP	UDP	Bacula File Daemon	Official
9103	TCP	UDP	Bacula Storage Daemon	Official
9105	TCP	UDP	Xadmin Control Daemon	Official
9106	TCP	UDP	Astergate Control Daemon	Official
9107	TCP		Astergate-FAX Control Daemon	Official
9110		UDP	SSMP Message protocol	Unofficial
9119	TCP	UDP	MXit Instant Messenger	Official
9150	TCP		Tor	Unofficial
9191	TCP		Catamount Software—PocketMoney Sync	Unofficial
9191	TCP		Sierra Wireless Airlink	Unofficial
9199	TCP		Avtex LLC—qStats	Unofficial
9200	TCP		Elasticsearch[148]—default Elasticsearch port	Unofficial
9217	TCP		iPass Platform Service	Unofficial
9293	TCP		Sony PlayStation RemotePlay[149]	Unofficial
9300	TCP		IBM Cognos 8 SOAP Business Intelligence and Performance Management	Unofficial
9303		UDP	D-Link Shareport Share storage and MFP printers	Unofficial
9306	TCP		Sphinx Native API	Official
9309	TCP	UDP	Sony PlayStation Vita Host Collaboration WiFi Data Transfer[150]	Unofficial
9312	TCP		Sphinx SphinxQL	Official
9332	TCP		Litecoin JSON-RPC server	Unofficial
9333	TCP		Litecoin	Unofficial
9339	TCP		Clash of Clans, a mobile freemium strategy video game	Unofficial
9389	TCP	UDP	adws, Microsoft AD DS Web Services, Powershell uses this port	Official
9418	TCP	UDP	git, Git pack transfer service	Official
9420	TCP		MooseFS distributed file system—master server to chunk servers	Unofficial
9421	TCP		MooseFS distributed file system—master server to clients	Unofficial
9422	TCP		MooseFS distributed file system—chunk servers to clients	Unofficial
9443	TCP		VMware Websense Triton console (HTTPS port used for accessing and administrating a vCenter Server via the Web Management Interface)	Unofficial
9443	TCP		NCSA Brown Dog Data Tilling Service	Unofficial
9485	TCP		Linz TCP Server Chat TCP Connection used for chat.	Unofficial
9535	TCP	UDP	mngsuite, LANDesk Management Suite Remote Control	Official
9536	TCP	UDP	laes-bf, IP Fabrics Surveillance buffering function	Official

9600		UDP	Omron FINS, OMRON FINS PLC communication	Official
9675	TCP	UDP	Spiceworks Desktop, IT Helpdesk Software	Unofficial
9676	TCP	UDP	Spiceworks Desktop, IT Helpdesk Software	Unofficial
9695		UDP	CCNx (http://www.ccnx.org/)	Official
9800	TCP	UDP	WebDAV Source	Official
9800			WebCT e-learning portal	Unofficial
9875	TCP		Club Penguin Disney online game for kids	Unofficial
9898	TCP	UDP	MonkeyCom	Official
9898	TCP		Tripwire—File Integrity Monitoring Software[151]	Unofficial
9899		UDP	SCTP tunneling (port number used in SCTP packets encapsulated in UDP, RFC6951)	Official
9987		UDP	TeamSpeak 3 server default (voice) port (for the conflicting service see the IANA list)	Unofficial
9993		UDP	ZeroTier Default port for ZeroTier	Unofficial
9995	TCP		Sage Group SageID Service	Unofficial
9996	TCP		AdRem Software, Inc.'s NetCrunch NetFlow collector port. This port can be changed [152]	Unofficial
9997	TCP		Splunk port for communication between the forwarders and indexers	Unofficial
9998	TCP		Sage Group Sage API Communication Service	Unofficial
9999			Hydranode edonkey2000 Telnet control	Unofficial
9999	TCP		Lantronix UDS-10/UDS100[153] RS-485 to Ethernet Converter Telnet control	Unofficial
9999			Urchin Web Analytics	Unofficial
10000	TCP	UDP	Network Data Management Protocol	Official
10000			BackupExec	Unofficial
10000			Ericsson Account Manager (avim)	Unofficial
10000			Webmin, Web-based Unix/Linux system administration tool (default port)	Unofficial
10001		UDP	Ubiquiti UniFi access points broadcast to 255.255.255.255:10001 (UDP) to locate the controller(s)	Unofficial
10001	TCP		Lantronix UDS-10/UDS100[154] RS-485 to Ethernet Converter default	Unofficial
10003	TCP		ForeScout SecureConnector	Unofficial
10008	TCP	UDP	Octopus Multiplexer, primary port for the CROMP protocol (http://hoople.org/hoople/readme.txt), which provides a platform-independent means for communication of objects across a network	Official
10009	TCP	UDP	Cross Fire, a multiplayer online First Person Shooter	Unofficial
10010	TCP		Open Object Rexx (ooRexx) rxapi daemon	Official
10017			AIX,NeXT, HPUX—rexd daemon control	Unofficial
10024	TCP		Zimbra smtp [mta]—to amavis from postfix	Unofficial

10025	TCP		Zimbra smtp [mta]—back to postfix from amavis	Unofficial
10042	TCP		Mathoid server	Unofficial
10050	TCP	UDP	Zabbix agent	Official
10051	TCP	UDP	Zabbix trapper	Official
10080	TCP		Touhou fight games (Inmaterial and Missing Power, Scarlet Weather Rhapsody, Hisoutensoku, Ten Desires and Urban Legend in Limbo)	Unofficial
10110	TCP	UDP	NMEA 0183 Navigational Data. Transport of NMEA 0183 sentences over TCP or UDP	Official
10113	TCP	UDP	NetIQ Endpoint	Official
10114	TCP	UDP	NetIQ Qcheck	Official
10115	TCP	UDP	NetIQ Endpoint	Official
10116	TCP	UDP	NetIQ VoIP Assessor	Official
10172	TCP		Intuit Quickbooks client	Unofficial
10200	TCP		FRISK Software International's *fpscand* virus scanning daemon for Unix platforms[155]	Unofficial
10200	TCP		FRISK Software International's *f-protd* virus scanning daemon for Unix platforms[156]	Unofficial
10201–10204	TCP		FRISK Software International's *f-protd* virus scanning daemon for Unix platforms[156]	Unofficial
10212	TCP		GE Intelligent Platforms Proficy HMI/SCADA – CIMPLICITY WebView[157]	Official
10301	TCP		VoiceIP-ACS UMP default device provisioning endpoint	Unofficial
10302	TCP		VoiceIP-ACS UMP default device provisioning endpoint (SSL)	Unofficial
10308			Lock-on: Modern Air Combat	Unofficial
10480			SWAT 4 Dedicated Server	Unofficial
10505		UDP	BlueStacks (android simulator) broadcast[158]	Unofficial
10514	TCP	UDP	TLS-enabled Rsyslog (default by convention)	Unofficial
10823		UDP	Farming Simulator 2011 Default Server	Unofficial
10891	TCP		Jungle Disk (this port is opened by the Jungle Disk Monitor service on the localhost)	Unofficial
10933	TCP		Listen port used by the Octopus Deploy Tentacle deployment agent[159][160]	Official
11001	TCP	UDP	metasys (Johnson Controls Metasys java AC control environment)	Official
11111	TCP		RiCcI, Remote Configuration Interface (Redhat Linux)	Unofficial
11112	TCP	UDP	ACR/NEMA Digital Imaging and Communications in Medicine (DICOM)	Official
11155	TCP	UDP	Tunngle	Unofficial
11211	TCP	UDP	memcached	Unofficial
11214	TCP	UDP	memcached incoming SSL proxy	Unofficial

11215	TCP	UDP	memcached internal outgoing SSL proxy	Unofficial
11235			Savage:Battle for Newerth Server Hosting	Unofficial
11294			Blood Quest Online Server	Unofficial
11311	TCP	UDP	Robot Operating System master	Unofficial
11371	TCP		OpenPGP HTTP key server	Official
11576			IPStor Server management communication	Unofficial
11950	TCP		Murraycoin JSON-RPC server[161]	Unofficial
11951	TCP		Murraycoin[161]	Unofficial
12007	TCP		NetCrunch 7 port for connection between NetCrunch 7 Server and Administration Console. This port can be changed [152]	Unofficial
12008	TCP		NetCrunch default connection broker port [152]	Unofficial
12009	TCP		NetCrunch 8 port for connection between NetCrunch 8 Server and Administration Console. This port can be changed [152]	Unofficial
12010	TCP		ElevateDB default database port[162]	Unofficial
12011	TCP		Axence nVision[163]	Unofficial
12012	TCP		Axence nVision[163]	Unofficial
12012	TCP		Audition Online Dance Battle, Korea Server— Status/Version Check	Unofficial
12012		UDP	Audition Online Dance Battle, Korea Server— Status/Version Check	Unofficial
12013	TCP	UDP	Audition Online Dance Battle, Korea Server	Unofficial
12030	TCP		NetCrunch - port for connection between NetCrunch Server and NetCrunch Guard [152]	Unofficial
12031	TCP		Axence nVision[163]	Unofficial
12032	TCP		Axence nVision[163]	Unofficial
12035		UDP	Linden Lab (http://wiki.secondlife.com/wiki/Authentication_Flow) viewer to sim on SecondLife	Unofficial
12201		UDP	GELF Protocol (http://graylog2.org/gelf)	Unofficial
12222		UDP	Light Weight Access Point Protocol (LWAPP) LWAPP data (RFC 5412)	Official
12223		UDP	Light Weight Access Point Protocol (LWAPP) LWAPP control (RFC 5412)	Official
12345			NetBus remote administration tool (often Trojan horse). Also used by NetBuster. Little Fighter 2 (TCP), Cubeworld (http://www.cubeworldwiki.net/index.php/Server)[164] (TCP and UDP), and (TCP) GVG (Grass Valley Group) SMS7000 and RCL video router control	Unofficial
12443	TCP		IBM HMC web browser management access over HTTPS instead of default port 443[165]	Unofficial

12489	TCP		NSClient/NSClient++/NC_Net (Nagios)	Unofficial
12975	TCP		LogMeIn Hamachi (VPN tunnel software; also port 32976) —used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use SSL (TCP port 443) if both 12975 & 32976 fail to connect	Unofficial
12998–12999		UDP	Takenaka RDI (http://www.takenaka.co.jp/) Mirror World on SecondLife	Unofficial
13001	TCP		ForeScout CounterACT	Unofficial
13000–13050		UDP	Linden Lab (http://wiki.secondlife.com/wiki/Authentication_Flow) viewer to sim on SecondLife	Unofficial
13008	TCP	UDP	Cross Fire, a multiplayer online First Person Shooter	Unofficial
13075	TCP		Default[166] for BMC Software Control-M/Enterprise Manager Corba communication, though often changed during installation	Official
13195–13196	TCP	UDP	Ontolux Ontolux 2D	Unofficial
13337–13340	TCP	UDP	ÆtherNet peer-to-peer networking	Unofficial
13720	TCP	UDP	Symantec NetBackup—bprd (formerly VERITAS)	Official
13721	TCP	UDP	Symantec NetBackup—bpdbm (formerly VERITAS)	Official
13724	TCP	UDP	Symantec Network Utility—vnetd (formerly VERITAS)	Official
13782	TCP	UDP	Symantec NetBackup—bpcd (formerly VERITAS)	Official
13783	TCP	UDP	Symantec VOPIED protocol (formerly VERITAS)	Official
13785	TCP	UDP	Symantec NetBackup Database—nbdb (formerly VERITAS)	Official
13786	TCP	UDP	Symantec nomdb (formerly VERITAS)	Official
14439	TCP		APRS UI-View Amateur Radio[167] UI-WebServer	Unofficial
14550		UDP	MAVLink	Unofficial
14567		UDP	Battlefield 1942 and mods	Unofficial
14900	TCP		K3 SYSPRO (http://www.k3syspro.com/) K3 Framework WCF Backbone	Unofficial
15000	TCP		psyBNC	Unofficial
15000	TCP		Wesnoth	Unofficial
15000	TCP		Kaspersky Network Agent	Unofficial
15000	TCP	UDP	hydap, Hypack Hydrographic Software Packages Data Acquisition	Official
15556	TCP	UDP	Jeex.EU Artesia (direct client-to-db.service)	Official
15567		UDP	Battlefield Vietnam and mods	Unofficial
15345	TCP	UDP	XPilot Contact	Official
16000	TCP		Oracle WebCenter Content: Imaging (formerly known as Oracle Universal Content Management). Port though often changed during installation	Unofficial

16000	TCP		shroudBNC	Unofficial
16080	TCP		Mac OS X Server Web (HTTP) service with performance cache[168]	Unofficial
16200	TCP		Oracle WebCenter Content: Content Server (formerly known as Oracle Universal Content Management). Port though often changed during installation	Unofficial
16225	TCP		Oracle WebCenter Content: Content Server Web UI. Port though often changed during installation	Unofficial
16250	TCP		Oracle WebCenter Content: Inbound Refinery (formerly known as Oracle Universal Content Management). Port though often changed during installation	Unofficial
16261	TCP	UDP	Project Zomboid Multiplayer Server: Additional sequential ports used for each player connecting to server	Unofficial
16300	TCP		Oracle WebCenter Content: Records Management (formerly known as Oracle Universal Records Management). Port though often changed during installation	Unofficial
16384	TCP	UDP	Hewlett Packard Connected Backup[169]	Official
16384		UDP	CISCO Default RTP MIN	Unofficial
16400	TCP		Oracle WebCenter Content: Capture (formerly known as Oracle Document Capture). Port though often changed during installation	Unofficial
16482			CISCO Default RTP MAX	Official
16567		UDP	Battlefield 2 and mods	Unofficial
17011	TCP		Worms multiplayer	Unofficial
17500	TCP	UDP	Dropbox LanSync Protocol (db-lsp); used to synchronize file catalogs between Dropbox clients on a local network.	Official
18010	TCP		Super Dancer Online Extreme(SDO-X)—CiB Net Station Malaysia Server	Unofficial
18091	TCP	UDP	memcached Internal REST HTTPS for SSL	Unofficial
18092	TCP	UDP	memcached Internal CAPI HTTPS for SSL	Unofficial
18104	TCP		RAD PDF Service	Official
18180	TCP		DART Reporting server	Unofficial
18200	TCP	UDP	Audition Online Dance Battle, AsiaSoft Thailand Server status/version check	Unofficial
18201	TCP	UDP	Audition Online Dance Battle, AsiaSoft Thailand Server	Unofficial
18206	TCP	UDP	Audition Online Dance Battle, AsiaSoft Thailand Server FAM database	Unofficial
18300	TCP	UDP	Audition Online Dance Battle, AsiaSoft SEA Server status/version check	Unofficial
18301	TCP	UDP	Audition Online Dance Battle, AsiaSoft SEA Server	Unofficial
18306	TCP	UDP	Audition Online Dance Battle, AsiaSoft SEA Server FAM database	Unofficial
18333	TCP		Bitcoin testnet[140]	Unofficial
18400	TCP	UDP	Audition Online Dance Battle, KAIZEN Brazil Server	Unofficial

			status/version check	
18401	TCP	UDP	Audition Online Dance Battle, KAIZEN Brazil Server	Unofficial
18505	TCP	UDP	Audition Online Dance Battle R4p3 Server, Nexon Server status/version check	Unofficial
18506	TCP	UDP	Audition Online Dance Battle, Nexon Server	Unofficial
18605	TCP	UDP	X-BEAT status/version check	Unofficial
18606	TCP	UDP	X-BEAT	Unofficial
19000	TCP	UDP	Audition Online Dance Battle, G10/alaplaya Server status/version check	Unofficial
19000		UDP	JACK sound server	Unofficial
19001	TCP	UDP	Audition Online Dance Battle, G10/alaplaya Server	Unofficial
19007	TCP	UDP	Veejansh Inc. (http://www.veejansh.com/) Scintilla Device Service	Official
19132		UDP	Standard Minecraft Pocket Edition Multiplayer Server Port	Unofficial
19150	TCP	UDP	Gkrellm Server	Unofficial
19226	TCP		Panda Software AdminSecure Communication Agent	Unofficial
19283	TCP	UDP	K2—KeyAuditor & KeyServer, Sassafras Software Inc.[170] Software Asset Management tools	Official
19294	TCP		Google Talk Voice and Video connections[171]	Unofficial
19295		UDP	Google Talk Voice and Video connections[171]	Unofficial
19302		UDP	Google Talk Voice and Video connections[171]	Unofficial
19315	TCP	UDP	KeyShadow for K2—KeyAuditor & KeyServer, Sassafras Software Inc.[170] Software Asset Management tools	Official
19540	TCP		Gamecoin RCP	Unofficial
19540	TCP		Gamecoin Testnet	Unofficial
19540	TCP		Gamecoin P2P	Unofficial
19540	TCP	UDP	Belkin Network USB Hub	Unofficial
19638	TCP		Ensim Control Panel	Unofficial
19812	TCP		4D database SQL Communication[172]	Official
19813	TCP	UDP	4D database Client Server Communication[172]	Official
19814	TCP		4D database DB4D Communication[172]	Official
19999			Distributed Network Protocol—Secure (DNP—Secure), a secure version of the protocol used in SCADA systems between communicating RTU's and IED's	Official
20000			Distributed Network Protocol (DNP), a protocol used in SCADA systems between communicating RTU's and IED's	Official
20000			Usermin, Web-based Unix/Linux user administration tool (default port)	Unofficial
20202	TCP		OnNet (Net2E)	Unofficial
20014	TCP		DART Reporting server	Unofficial
20560	TCP	UDP	Killing Floor	Unofficial

20595		UDP	0 A.D. Empires Ascendant	Unofficial
20702	TCP		Precise TPM (http://www.precise.com/) Listener Agent	Unofficial
20720	TCP		Symantec i3 Web GUI server	Unofficial
20790	TCP		Precise TPM (http://www.precise.com/) Web GUI server	Unofficial
20808	UDP		Ableton Link	Unofficial
21001	TCP		AMLFilter, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-admin default port	Unofficial
21011	TCP		AMLFilter, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-engine-01 default http port	Unofficial
21012	TCP		AMLFilter, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-engine-01 default https port	Unofficial
21021	TCP		AMLFilter, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-engine-02 default http port	Unofficial
21022	TCP		AMLFilter, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-engine-02 default https port	Unofficial
21025	TCP		Starbound Server (default), Starbound (http://playstarbound.com/)	Unofficial
22136	TCP		FLIR Systems (http://www.flir.com/) Camera Resource Protocol	Unofficial
22222	TCP		Davis Instruments, WeatherLink IP (http://davisnet.com/weather/products/weather_product.asp?pnum=06555)	Unofficial
22347	TCP	UDP	WibuKey, WIBU-SYSTEMS AG (http://wibu.com/wibukey.php) Software protection system	Official
22349	TCP		Wolfson Microelectronics WISCEBridge Debug Protocol[173]	Unofficial
22350	TCP	UDP	CodeMeter, WIBU-SYSTEMS AG (http://wibu.com/codemeter.php) Software protection system	Official
23073			Soldat Dedicated Server	Unofficial
23284			TimeTracker by Openhour (http://openhour.com)	Official
23399			Skype default protocol	Unofficial
23513			Duke Nukem 3D#Source code Duke Nukem Ports	Unofficial
24441	TCP	UDP	Pyzor spam detection network	Unofficial
24444			NetBeans integrated development environment	Unofficial
24465	TCP	UDP	Tonido Directory Server for Tonido (http://www.tonido.com/) which is a Personal Web App and P2P platform	Official
24554	TCP	UDP	BINKP, Fidonet mail transfers over TCP/IP	Official
24800			Synergy: keyboard/mouse sharing software	Unofficial

24842			StepMania: Online: *Dance Dance Revolution* Simulator	Unofficial
25000	TCP		Teamware Office standard client connection	Official
25001	TCP		Default port for Unity3D networking	Official
25003	TCP		Teamware Office client notifier	Official
25005	TCP		Teamware Office message transfer	Official
25007	TCP		Teamware Office MIME Connector	Official
25008	TCP		Jayson's Water Fun Connector	Unofficial
25010	TCP		Teamware Office Agent server	Official
25105	TCP		Default port for Insteon Hub	Unofficial
25560	TCP		codeheart.js Relay Server	Unofficial
25565	TCP	N/A	Standard Minecraft (Dedicated) Server[174]	Unofficial
25565			MySQL database system	Unofficial
25570			Manic Digger default single player port	Unofficial
25826		UDP	collectd default port[175]	Unofficial
25828–25840	TCP	UDP	DarknessBlade Network.	Unofficial
25888		UDP	Xfire (Firewall Report, UDP_IN) IP Address (206.220.40.146) resolves to gameservertracking.xfire.com. Use unknown.	Unofficial
25999	TCP		Xfire	Unofficial
26000	TCP	UDP	id Software's *Quake* server	Official
26000	TCP		CCP's EVE Online Online gaming MMORPG	Unofficial
26000		UDP	Xonotic, an open source arena shooter	Unofficial
26850	TCP		War of No Return Server Port	Unofficial
26900–26901	TCP		CCP's EVE Online Online gaming MMORPG	Unofficial
26950	TCP	UDP	GIMA Productions	Unofficial
27000–27030		UDP	Steam Client	Unofficial
27000		UDP	(through 27006) id Software's *QuakeWorld* master server	Unofficial
27000	TCP		PowerBuilder *SySAM* license server	Unofficial
27000–27009	TCP		FlexNet Publisher's License server (from the range of default ports)	Unofficial
27010			Source engine dedicated server port	Unofficial
27014–27050	TCP		Steam Downloads	Unofficial
27014			Source engine dedicated server port (rare)	Unofficial
27015			GoldSrc and Source engine dedicated server port, AppleMobileDeviceService[176]	Unofficial
27016			Magicka server port	Unofficial
27017			mongoDB server port	Unofficial
27036			Steam In-Home Streaming (Only LAN)	Unofficial

27374			Sub7 default.	Unofficial
27500–27900		UDP	id Software's *QuakeWorld*	Unofficial
27888		UDP	Kaillera server	Unofficial
27900–27901			Nintendo Wi-Fi Connection	Unofficial
27901–27910		UDP	id Software's *Quake II* master server	Unofficial
27950		UDP	OpenArena outgoing	Unofficial
27960–27969		UDP	Activision's *Enemy Territory* and id Software's *Quake III Arena*, *Quake III* and *Quake Live* and some ioquake3 derived games, such as Urban Terror (OpenArena incoming)	Unofficial
28000			Bitfighter Common/default Bitfighter Server	Unofficial
28001			Starsiege: Tribes Common/default Tribes v.1 Server	Unofficial
28395	TCP		www.SmartSystemsLLC.com Used by Smart Sale 5.0	Unofficial
28770		UDP	AssaultCube Reloaded default server port	Unofficial
28771		UDP	AssaultCube Reloaded default server info port	Unofficial
28785		UDP	Cube 2 Sauerbraten[177]	Unofficial
28786		UDP	Cube 2 Sauerbraten Port 2[177]	Unofficial
28801–28802		UDP	Red Eclipse (Cube 2 derivative) default ports[178]	Unofficial
28852	TCP	UDP	Killing Floor	Unofficial
28910			Nintendo Wi-Fi Connection[179]	Unofficial
28960		UDP	*Call of Duty*; *Call of Duty: United Offensive*; *Call of Duty 2*; *Call of Duty 4: Modern Warfare*; *Call of Duty: World at War* (PC Version)	Unofficial
29000			Perfect World International Used by the Perfect World International Client	Unofficial
29070	TCP	UDP	Game titled "Jedi Knight: Jedi Academy" by Ravensoft	Unofficial
29292	TCP		TMO Integration Service Communications Port, Used by Transaction Manager SaaS (HighJump Software)	Unofficial
29900–29901			Nintendo Wi-Fi Connection[179]	Unofficial
29920			Nintendo Wi-Fi Connection[179]	Unofficial
30000			Pokémon Netbattle	Unofficial
30000			Minetest Dedicated Server	Unofficial
30301			BitTorrent	Unofficial
30564	TCP		Multiplicity: keyboard/mouse/clipboard sharing software	Unofficial
30718		UDP	Lantronix Discovery for Lantronix serial-to-ethernet devices	Unofficial
30777	TCP		ZangZing agent	Unofficial
31314	TCP		electric imp node<>server communication (TLS)	Unofficial

31337	TCP		Back Orifice remote administration tool (often Trojan horse)	Unofficial
31415			ThoughtSignal Server Communication Service (often Informational)	Unofficial
31416			BOINC RPC[180]	Unofficial
31438			Rocket Software U2 uvcs Server Communication Service	Unofficial
31456	TCP		TetriNET IRC gateway on some servers	Unofficial
31457	TCP		TetriNET	Official
31458	TCP		TetriNET Used for game spectators	Unofficial
31620	TCP	UDP	LM-MON (Standard Floating License Manager LM-MON)	Official
31820–31829		UDP	SyFlo SyFlo license manager	Unofficial
32000		UDP	FlightGear multiplayer, experimental 2nd port (working code mod submitted to main fgms developer 2015-III-04 for evaluation)[84]	Unofficial
32123	TCP		x3Lobby Used by x3Lobby, an internet application.	Unofficial
32137	TCP	UDP	Immunet Protect (UDP in version 2.0,[181] TCP since version 3.0[182])	Unofficial
32245	TCP		MMTSG-mutualed over MMT (encrypted transmission)	Unofficial
32400	TCP	UDP	Used for Plex Media Server connections and media streams	Unofficial
32764	TCP		Potential backdoor on some routers[183]	Unofficial
32769	TCP		FileNet RPC	Unofficial
32887	TCP		Used by "Ace of Spades" game	Unofficial
32976	TCP		LogMeIn Hamachi (VPN tunnel software; also port 12975) —used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use SSL (TCP port 443) if both 12975 & 32976 fail to connect	Unofficial
33330		UDP	FMAudit	Unofficial
33333		UDP	TNTchat default server port	Unofficial
33434–33534	TCP	UDP	traceroute	Official
33848		UDP	Jenkins Remote access API (https://wiki.jenkins-ci.org/display/JENKINS/Remote+access+API) and Auto-Discovery (https://wiki.jenkins-ci.org/display/JENKINS/Auto-discovering+Jenkins+on+the+network)	Unofficial
33982	TCP	UDP	Dezta software	Unofficial
34000			MasterPort—WarZ	Unofficial
34001			ClientPort—WarZ	Unofficial
34010			PortStart—WarZ	Unofficial
34271			Remuco (https://code.google.com/p/remuco/) remote control for media players[184]	Unofficial
34443			Linksys PSUS4 print server[185]	Unofficial

34567	TCP		EDI service[186]	Official
35357	TCP		OpenStack ID Service	Official
36330	TCP		Folding@home v7 default for client control interface	Unofficial
36700	TCP		MapX communication port	Official
36963		UDP	Unreal Software multiplayer games, such as Counter Strike 2D (2D clone of Counter Strike)	Unofficial
37601	TCP		Epipole File Transfer Protocol [187]	Official
37659	TCP		Axence nVision	Unofficial
37777	TCP		Digital Video Recorder hardware	Unofficial
40000	TCP	UDP	SafetyNET p Real-time Industrial Ethernet protocol	Official
40123		UDP	Flatcast[188]	Unofficial
41794	TCP	UDP	Crestron Control Port	Official
41795	TCP	UDP	Crestron Control Port	Official
41823	TCP	UDP	Murealm Client	Unofficial
43034	TCP	UDP	LarmX.com™ database update mtr port	Unofficial
43047	TCP		TheòsMessenger second port for service TheòsMessenger	Unofficial
43048	TCP		TheòsMessenger third port for service TheòsMessenger	Unofficial
43594	TCP		RuneScape, FunOrb, Runescape Private Servers game servers	Unofficial
43595	TCP		RuneScape JAGGRAB servers	Unofficial
44405	TCP		Mu Online Connect Server	Unofficial
44444	TCP		LightClaw.TeamServer Asset synchronization	Unofficial
45824	TCP		Server for the DAI family of client-server products	Official
47001	TCP		Windows Remote Management Service (WinRM)[189]	Official
47808		UDP	BACnet Building Automation and Control Networks ($47808_{10} = BAC0_{16}$), commonly spills to 47809–47816	Official
48653	TCP	UDP	Robot Raconteur transport[190]	Official
49151	TCP	UDP	Reserved[1]	Official

Dynamic, private or ephemeral ports

The range 49152–65535 ($2^{15}+2^{14}$ to $2^{16}-1$) contains dynamic or private ports that cannot be registered with IANA.[191] This range is used for private, or customized services or temporary purposes and for automatic allocation of ephemeral ports.

See also

- Internet Protocol Suite

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External links

- "Service Name and Transport Protocol Port Number Registry". IANA.
- List of selected/nonstandard TCP/IP ports and related information (http://www.akerman.ca/port-table.html)
- List of TCP/UDP ports with information about trojans and malware (http://www.bekkoame.ne.jp/~s_ita/port/port1-99.html)
- Windows TCP/IP Ephemeral, Reserved, and Blocked Port Behavior (http://www.microsoft.com/technet/community/columns/cableguy/cg1205.mspx)
- Known TCP/UDP ports used by Apple software (http://support.apple.com/kb/TS1629)
- List of commonly used TCP/UDP ports in Linux (http://tcp-udp-ports.com/linux-ports.php)
- SANS List of only the 'preferred' service for each port/protocol combo (http://isc.sans.org/services.html)
- SANS: Intrusion Detection FAQ: What port numbers do well-known trojan horses use? (http://www.sans.org/security-resources/idfaq/oddports.php)

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