

List of TCP and UDP port numbers

From Wikipedia, the free encyclopedia

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 communications.

Originally, these port numbers were used by the Network Control Protocol (NCP) and two ports were needed as transmission was done at half duplex. As TCP and UDP were adopted, only one port was needed. The even numbered ports were dropped. This is why the even numbers on well known port numbers are unassigned. Transmission Control Protocol (TCP) and the User Datagram Protocol (UDP) are also used for the Stream Control Transmission Protocol (SCTP), and the Datagram Congestion Control Protocol (DCCP). SCTP and DCCP services usually use a port number that matches the service 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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- 2 Well-known ports
- 3 Registered ports
- 4 Dynamic, private or ephemeral ports
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Table legend

| Use | Description | Color |
|--------------|-----------------------------------------------------------------|--------|
| Official | Port is registered with IANA for the application ^[1] | white |
| Unofficial | Port is not registered with IANA for the application | blue |
| Multiple use | Multiple applications are known to use this port. | yellow |

Well-known ports

The port numbers in the range from 0 to 1023 are the *well-known ports*. 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 | | UDP | Reserved | Official |
| 1 | TCP | UDP | TCP Port Service Multiplexer (TCPMUX) | Official |
| 2 | TCP | UDP | CompressNET ^[2] Management Utility ^[3] | Official |
| 3 | TCP | UDP | CompressNET ^[2] Compression Process ^[4] | Official |
| 4 | TCP | UDP | Unassigned | Official |
| 5 | TCP | UDP | Remote Job Entry | Official |
| 7 | TCP | UDP | Echo Protocol | Official |
| 8 | TCP | UDP | Unassigned | Official |
| 9 | TCP | UDP | Discard Protocol | Official |
| 10 | TCP | UDP | Unassigned | Official |
| 11 | TCP | UDP | Active Users (sysstat service) ^{[5][6]} | 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 ^[5] | Unofficial |
| 16 | TCP | UDP | Unassigned | Official |
| 17 | TCP | UDP | Quote of the Day | Official |
| 18 | TCP | UDP | Message Send Protocol | Official |
| 19 | TCP | UDP | Character Generator Protocol (CHARGEN) | Official |
| 20 | TCP | UDP | FTP data transfer | Official |
| 21 | TCP | | FTP control (command) | Official |
| 22 | TCP | UDP | Secure Shell (SSH) — used for 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 | | 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 |
| 39 | TCP | UDP | Resource Location Protocol ^[7] (RLP)—used for determining 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 | | WHOIS protocol | Official |
| 47 | TCP | UDP | NI FTP ^[7] | Official |
| 49 | TCP | UDP | TACACS Login Host protocol | Official |
| 50 | TCP | UDP | Remote Mail Checking Protocol ^[8] | 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 | XNS (Xerox Network Systems) Clearinghouse | Official |
| 55 | TCP | UDP | ISI Graphics Language (ISI-GL) | Official |
| 56 | TCP | UDP | XNS (Xerox Network Systems) Authentication | Official |
| 56 | TCP | UDP | Route Access Protocol (RAP) ^[9] | Unofficial |
| 57 | TCP | | Mail Transfer Protocol (RFC 780) | Official |
| 58 | TCP | UDP | XNS (Xerox Network Systems) Mail | Official |
| 64 | TCP | UDP | CI (Travelport) (formerly Covia) Comms Integrator | Official |
| 67 | | UDP | Bootstrap Protocol (BOOTP) Server; also used by Dynamic Host Configuration Protocol (DHCP) | Official |
| 68 | | UDP | Bootstrap Protocol (BOOTP) Client; also used by Dynamic Host Configuration Protocol (DHCP) | Official |
| 69 | | UDP | Trivial File Transfer Protocol (TFTP) | Official |
| 70 | TCP | | Gopher protocol | Official |
| 71 | TCP | | NETRJS protocol | Official |
| 72 | TCP | | NETRJS protocol | Official |
| 73 | TCP | | NETRJS protocol | Official |
| 74 | TCP | | NETRJS protocol | Official |
| 79 | TCP | | Finger protocol | Official |
| 80 | TCP | | Hypertext Transfer Protocol (HTTP) | Unofficial ^[10] |
| 81 | TCP | | Torpark—Onion routing | Unofficial |

| Port | TCP | UDP | Description | Status |
|------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 82 | | UDP | Torpark—Control | Unofficial |
| 88 | TCP | UDP | Kerberos—authentication system | Official |
| 90 | TCP | UDP | dnsix (DoD Network Security for Information Exchange) Securit Attribute Token Map | Official |
| 90 | TCP | UDP | PointCast (dotcom) | Unofficial |
| 99 | TCP | | WIP Message protocol | Unofficial |
| 100 | | UDP | CyberGate RAT protocol | Unofficial |
| 101 | TCP | | NIC host name | Official |
| 102 | TCP | | ISO-TSAP (Transport Service Access Point) Class 0 protocol; ^[11] 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 | | Remote TELNET Service ^[12] protocol | Official |
| 108 | TCP | UDP | SNA Gateway Access Server ^[1] | Official |
| 109 | TCP | | Post Office Protocol v2 (POP2) | Official |
| 110 | TCP | | Post Office Protocol v3 (POP3) | Official |
| 111 | TCP | UDP | ONC RPC (Sun RPC) | Official |
| 113 | TCP | | Ident—Authentication Service/Identification Protocol, ^[13] used by IRC servers to identify users | Official |
| 113 | | UDP | Authentication Service ^[13] (auth) | Official |
| 115 | TCP | | Simple File Transfer Protocol (SFTP) | Official |
| 117 | STD | | UUCP Path Service | Official |
| 118 | TCP | UDP | SQL (Structured Query Language) Services | Official |
| 119 | TCP | | Network News Transfer Protocol (NNTP)—retrieval of newsgroup messages | Official |
| 123 | | 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, ^[14] used to remotely manage services including DHCP server, DNS server and WINS. Also used by DCOM | Unofficial |
| 137 | TCP | UDP | NetBIOS NetBIOS Name Service | Official |
| 138 | TCP | UDP | NetBIOS NetBIOS Datagram Service | Official |
| 139 | TCP | UDP | NetBIOS NetBIOS Session Service | Official |
| 143 | TCP | | Internet Message Access Protocol (IMAP)—management of email messages | Official |
| 152 | TCP | UDP | Background File Transfer Program (BFTP) ^[15] | Official |
| 153 | TCP | UDP | SGMP, Simple Gateway Monitoring Protocol | Official |
| 156 | TCP | UDP | SQL Service | Official |
| 158 | TCP | UDP | DMSP, Distributed Mail Service Protocol ^[16] | Unofficial |
| 161 | | UDP | Simple Network Management Protocol (SNMP) | Official |
| 162 | TCP | UDP | Simple Network Management Protocol Trap (SNMPTRAP) ^[17] | 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 | | BGP (Border Gateway Protocol) | 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 | The 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 | ESRO, Efficient Short Remote Operations | Official |
| 264 | TCP | UDP | BGMP, Border Gateway Multicast Protocol | 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 TSP, Time Stamp Protocol | Official |
| 319 | | UDP | Precision time protocol event messages | Official |
| 320 | | UDP | Precision time protocol general messages | Official |
| 350 | TCP | UDP | MATIP-Type A, Mapping of Airline Traffic over Internet Protocol | Official |
| 351 | TCP | UDP | MATIP-Type B, Mapping of Airline Traffic over Internet Protocol | Official |
| 366 | TCP | UDP | ODMR, On-Demand Mail Relay | Official |

| Port | TCP | UDP | Description | Status |
|------|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 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 servers ^[18] | 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 ^[19] | 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 | UPS Uninterruptible Power Supply | Official |
| 427 | TCP | UDP | Service Location Protocol (SLP) | Official |
| 443 | TCP | | HTTPS (Hypertext Transfer Protocol over SSL/TLS) | Official |
| 444 | TCP | UDP | SNPP, Simple Network Paging Protocol (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 Rendevous Directory for SSM (Cisco protocol) | Official |
| 475 | TCP | UDP | tcpnethaspsrv (Aladdin Knowledge Systems Hasp services, TCP/IP version) | Official |
| 497 | TCP | | Dantz Retrospect | Official |
| 500 | | UDP | Internet Security Association and Key Management Protocol (ISAKMP) | Official |
| 502 | TCP | UDP | Modbus, Protocol | Unofficial |
| 504 | TCP | UDP | Citadel—multiservice protocol for dedicated clients for the Citadel groupware system | Official |
| 512 | TCP | | Rexec, Remote Process Execution | Official |
| 512 | | UDP | comsat, together with biff | Official |
| 513 | TCP | | rlogin | Official |
| 513 | | UDP | Who ^[20] | Official |
| 514 | TCP | | 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—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 |
| 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 | RPC | Official |
| 531 | TCP | UDP | AOL Instant Messenger | Unofficial |
| 532 | TCP | | netnews | Official |
| 533 | | UDP | netwall, For Emergency Broadcasts | Official |
| 540 | TCP | | UUCP (Unix-to-Unix Copy Protocol) | 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 ^[20] | 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 protocol over TLS/SSL (NNTPS) | Official |
| 587 | TCP | | e-mail message submission ^[21] (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 |
| 604 | TCP | | TUNNEL profile, ^[22] a protocol for BEEP peers to form an application layer tunnel | Official |
| 623 | | UDP | ASF Remote Management and Control Protocol (ASF-RMCP) | Official |
| 631 | TCP | UDP | Internet Printing Protocol (IPP) | Official |

| Port | TCP | UDP | Description | Status |
|------|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 631 | TCP | UDP | Common Unix Printing System (CUPS) | 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 |
| 646 | TCP | UDP | LDP, Label Distribution Protocol, a routing protocol used in MPLS networks | Official |
| 647 | TCP | | DHCP Failover protocol ^[23] | Official |
| 648 | TCP | | RRP (Registry Registrar Protocol) ^[24] | 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) ^[25] | Official |
| 657 | TCP | UDP | IBM RMC (Remote monitoring and Control) protocol, used by System p5 AIX Integrated Virtualization Manager (IVM) ^[26] 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 | | 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 | | ACAP (Application Configuration Access Protocol) | Official |
| 688 | TCP | UDP | REALM-RUSD (ApplianceWare Server Appliance Management Protocol) | Official |
| 691 | TCP | | MS Exchange Routing | Official |
| 694 | TCP | UDP | Linux-HA High availability Heartbeat | Official |
| 695 | TCP | | IEEE-MMS-SSL (IEEE Media Management System over SSL) ^[27] | Official |
| 698 | | UDP | OLSR (Optimized Link State Routing) | Official |
| 700 | TCP | | EPP (Extensible Provisioning Protocol), a protocol for communication between domain name registries and registrars (RFC 5734) | Official |
| 701 | TCP | | LMP (Link Management Protocol (Internet)), ^[28] a protocol that runs between a pair of nodes and is used to manage traffic engineering (TE) links | Official |
| 702 | TCP | | IRIS ^{[29][30]} (Internet Registry Information Service) over BEEP (Blocks Extensible Exchange Protocol) ^[31] (RFC 3983) | Official |
| 706 | TCP | | Secure Internet Live Conferencing (SILC) | Official |
| 711 | TCP | | Cisco Tag Distribution Protocol ^{[32][33][34]} —being replaced by the MPLS Label Distribution Protocol ^[35] | 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) ^[36] | 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 |
| 808 | TCP | | Microsoft Net.TCP Port Sharing Service | Official |
| 829 | TCP | | Certificate Management Protocol ^[37] | Unofficial |
| 843 | TCP | | Adobe Flash ^[38] | 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 |
| 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 | | VMware Virtual Infrastructure Client (UDP from server being managed to management console) | Unofficial |
| 901 | | UDP | VMware Virtual Infrastructure Client (UDP from server being managed to management console) | Unofficial |
| 902 | TCP | | ideafarm-door | Official |
| 902 | TCP | | VMware Server Console (TCP from management console to server being Managed) | Unofficial |
| 902 | | UDP | ideafarm-door | Official |
| 902 | | UDP | VMware Server Console (UDP from server being managed to management console) | Unofficial |

| Port | TCP | UDP | Description | Status |
|------|-----|-----|---------------------------------------------------------------------------------------------------------------------|------------|
| 903 | TCP | | VMware Remote Console ^[39] | Unofficial |
| 904 | TCP | | VMware Server Alternate (if 902 is in use, i.e. SUSE linux) | Unofficial |
| 911 | TCP | | Network Console on Acid (NCA)—local tty redirection over OpenSSH | Unofficial |
| 944 | | UDP | Network File System (protocol) Service | Unofficial |
| 953 | TCP | UDP | Domain Name System (DNS) RNDG Service | Unofficial |
| 973 | | UDP | Network File System (protocol) 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 Corporation 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 | NAS (Netnews Administration System) ^[40] | Official |
| 992 | TCP | UDP | TELNET protocol over TLS/SSL | Official |
| 993 | TCP | | Internet Message Access Protocol over SSL (IMAPS) | 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 |
|------|-----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1024 | TCP | UDP | Reserved ^[1] |
| 1025 | TCP | | NFS or IIS or Teradata |
| 1026 | TCP | | Often used by Microsoft DCOM services |
| 1029 | TCP | | Often used by Microsoft DCOM services |
| 1058 | TCP | UDP | nim, IBM AIX Network Installation Manager (NIM) |
| 1059 | TCP | UDP | nimreg, IBM AIX Network Installation Manager (NIM) |
| 1080 | TCP | | SOCKS proxy |
| 1085 | TCP | UDP | WebObjects |
| 1098 | TCP | UDP | rmiaactivation, RMI Activation |
| 1099 | TCP | UDP | rmiregistry, RMI Registry |
| 1109 | TCP | UDP | Reserved ^[1] |
| 1109 | TCP | | Kerberos Post Office Protocol (KPOP) |
| 1110 | | UDP | EasyBits (http://www.easybits.com) School network discovery protocol (for Intel's CMPC platform) |
| 1119 | TCP | UDP | Used by some Blizzard games ^[41] |
| 1140 | TCP | UDP | AutoNOC (http://www.autonoc.com/) protocol |
| 1167 | | UDP | phone, conference calling |
| 1169 | TCP | UDP | Tripwire |
| 1176 | TCP | | Perceptive Automation (http://www.perceptiveautomation.com/corp/overview.html) Indigo (http://www.perceptiveautomation.com/indigo/) F |
| 1182 | TCP | UDP | AcceleNet (http://www.accelenet.com/products-technology.htm) Intelligent Transfer Protocol (http://www.accelenet.com/support-technical-li |
| 1194 | TCP | UDP | OpenVPN |
| 1198 | TCP | UDP | The cajo project Free dynamic transparent distributed computing in Java |
| 1200 | TCP | | scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request ^[42] |
| 1200 | | UDP | scol, protocol used by SCOL 3D virtual worlds server to answer world name resolution client request |
| 1200 | | UDP | Steam Friends Applet |
| 1214 | TCP | | Kazaa |
| 1217 | TCP | | Uvora Online |
| 1220 | TCP | | QuickTime Streaming Server administration |
| 1223 | TCP | UDP | TGP, TrulyGlobal (http://www.vocaltec.com/) Protocol, also known as "The Gur Protocol" (named for Gur Kimchi of TrulyGlobal) |
| 1232 | TCP | UDP | first-defense, Remote systems monitoring service from Nexum, Inc |
| 1234 | | UDP | VLC media player default port for UDP/RTP stream |
| 1236 | TCP | | Symantec BindView Control UNIX Default port for TCP management server connections |
| 1241 | TCP | UDP | Nessus Security Scanner |
| 1270 | TCP | UDP | Microsoft System Center Operations Manager (SCOM) (formerly Microsoft Operations Manager (MOM)) agent |
| 1293 | TCP | UDP | IPSec (Internet Protocol Security) |
| 1301 | TCP | | Palmer Performance OBDNet |
| 1309 | TCP | | Altera Quartus jtagd |
| 1311 | TCP | | Dell OpenManage HTTPS |
| 1313 | TCP | | Xbiim (Canvii server) ^[citation needed] |
| 1314 | TCP | | Festival Speech Synthesis System |
| 1319 | TCP | | AMX ICSP |
| 1319 | | UDP | AMX ICSP |
| 1337 | | UDP | Men and Mice DNS |
| 1337 | TCP | | Men and Mice DNS |
| 1337 | TCP | | WASTE Encrypted File Sharing Program |
| 1344 | TCP | | Internet Content Adaptation Protocol |
| 1352 | TCP | | IBM Lotus Notes/Domino ^[43] (RPC) protocol |
| 1387 | TCP | UDP | cadsi-lm, LMS International (formerly Computer Aided Design Software, Inc. (CADSI)) LM |
| 1414 | TCP | | IBM WebSphere MQ (formerly known as MQSeries) |
| 1417 | TCP | UDP | Timbuktu Service 1 Port |
| 1418 | TCP | UDP | Timbuktu Service 2 Port |
| 1419 | TCP | UDP | Timbuktu Service 3 Port |
| 1420 | TCP | UDP | Timbuktu Service 4 Port |
| 1431 | TCP | | Reverse Gossip Transport Protocol (RGTP) (http://www.groggs.group.cam.ac.uk/protocol.txt), used to access a General-purpose Reverse-Ord (GROGGS (http://www.groggs.group.cam.ac.uk/)) bulletin board, such as that implemented on the Cambridge University's Phoenix system |
| 1433 | TCP | | MSSQL (Microsoft SQL Server database management system) Server |
| 1434 | TCP | UDP | MSSQL (Microsoft SQL Server database management system) Monitor |
| 1470 | TCP | | Solarwinds Kiwi Log Server |
| 1494 | TCP | | Citrix XenApp Independent Computing Architecture (ICA) thin client protocol ^[44] |
| 1500 | TCP | | NetGuard GuardianPro firewall (NT4-based) Remote Management |
| 1501 | | UDP | NetGuard GuardianPro firewall (NT4-based) Authentication Client |
| 1503 | TCP | UDP | Windows Live Messenger (Whiteboard and Application Sharing) |
| 1512 | TCP | UDP | Microsoft Windows Internet Name Service (WINS) |

| Port | TCP | UDP | Description |
|-----------|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1513 | TCP | UDP | Garena Garena Gaming Client |
| 1521 | TCP | | nCube License Manager |
| 1521 | TCP | | Oracle database default listener, in future releases official port 2483 |
| 1524 | TCP | UDP | ingreslock, ingres |
| 1526 | TCP | | Oracle database common alternative for listener |
| 1527 | TCP | | Apache Derby Network Server default port |
| 1533 | TCP | | IBM Sametime IM—Virtual Places Chat Microsoft SQL Server |
| 1534 | | UDP | Eclipse Target Communication Framework (TCF) agent discovery ^[45] |
| 1547 | TCP | UDP | Laplink |
| 1550 | TCP | UDP | 3m-image-lm Image Storage license manager 3M Company |
| 1550 | | | Gadu-Gadu (direct client-to-client) |
| 1581 | | UDP | MIL STD 2045-47001 VMF |
| 1583 | TCP | | Pervasive PSQL |
| 1589 | | UDP | Cisco VQP (VLAN Query Protocol) / VMPS |
| 1590 | TCP | | GE Smallworld Datastore Server (SWMFS/Smallworld Master Filesystem) ^[citation needed] |
| 1627 | | | iSketch ^[citation needed] |
| 1645 | TCP | UDP | radius auth, RADIUS authentication protocol (default for Cisco and Juniper Networks RADIUS servers, but see port 1812 below) |
| 1646 | TCP | UDP | radius acct, RADIUS authentication protocol (default for Cisco and Juniper Networks RADIUS servers, but see port 1813 below) |
| 1666 | TCP | | Perforce |
| 1677 | TCP | UDP | Novell GroupWise clients in client/server access mode |
| 1688 | TCP | | Microsoft Key Management Service for KMS Windows Activation |
| 1700 | | UDP | Cisco RADIUS Change of Authorization for TrustSec ^[citation needed] |
| 1701 | | UDP | Layer 2 Forwarding Protocol (L2F) & Layer 2 Tunneling Protocol (L2TP) |
| 1707 | TCP | UDP | Windward Studios |
| 1707 | | TCP | Romtocol Packet Protocol (L2F) & Layer 2 Tunneling Protocol (L2TP) |
| 1716 | TCP | | America's Army Massively multiplayer online game (MMO) |
| 1719 | | UDP | H.323 Registration and alternate communication |
| 1720 | TCP | | H.323 Call signalling |
| 1723 | TCP | UDP | Microsoft Point-to-Point Tunneling Protocol (PPTP) |
| 1725 | | UDP | Valve Steam Client |
| 1755 | TCP | UDP | Microsoft Media Services (MMS, ms-streaming) |
| 1761 | | UDP | cft-0 |
| 1761 | TCP | | cft-0 |
| 1761 | TCP | | Novell Zenworks Remote Control utility |
| 1762–1768 | TCP | UDP | cft-1 to cft-7 |
| 1776 | TCP | UDP | Federal Emergency Management Information SystemTemplate:Http://www.iana.org/assignments/service-names-port-numbers/service-names |
| 1792 | TCP | UDP | Moby ^[citation needed] |
| 1801 | TCP | UDP | Microsoft Message Queuing |
| 1812 | TCP | UDP | radius, RADIUS authentication protocol |
| 1813 | TCP | UDP | radacct, RADIUS accounting protocol |
| 1863 | TCP | | MSNP (Microsoft Notification Protocol), used by the Microsoft Messenger service and a number of Instant Messaging clients |
| 1883 | TCP | UDP | MQ Telemetry Transport (MQTT), formerly known as MQIsdp (MQSeries SCADA protocol) |
| 1886 | TCP | | Leonardo over IP Pro2col Ltd |
| 1900 | | UDP | Microsoft SSDP Enables discovery of UPnP devices |
| 1920 | TCP | | IBM Tivoli monitoring console |
| 1935 | TCP | | Adobe Systems Macromedia Flash Real Time Messaging Protocol (RTMP) "plain" protocol |
| 1947 | TCP | UDP | SentinelSRM (hasplm), Aladdin HASP License Manager |
| 1967 | | UDP | Cisco IOS IP Service Level Agreements (IP SLAs) Control Protocol ^[citation needed] |
| 1970 | TCP | UDP | Netop Business Solutions (http://www.netop.com) Netop Remote Control |
| 1971 | TCP | UDP | Netop Business Solutions (http://www.netop.com) Netop School |
| 1972 | TCP | UDP | InterSystems Caché |
| 1975–1977 | | UDP | Cisco TCO (Documentation (http://www.cisco.com/en/US/netsol/networking_solutions_networking_basic09186a00800a3524.html)) |
| 1984 | TCP | | Big Brother (http://bb4.com) and related Xymon (formerly Hobbit) System and Network Monitor |
| 1985 | | UDP | Cisco HSRP |
| 1994 | TCP | UDP | Cisco STUN-SDLC (Serial Tunneling—Synchronous Data Link Control) protocol |
| 1997 | TCP | | Chizmo Networks Transfer Tool ^[citation needed] |
| 1998 | TCP | UDP | Cisco X.25 over TCP (XOT) service |
| 2000 | TCP | UDP | Cisco SCCP (Skinny) |
| 2001 | | UDP | CAPTAN Test Stand System |
| 2002 | TCP | | Secure Access Control Server (ACS) for Windows ^[citation needed] |

| Port | TCP | UDP | Description |
|------|-----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2010 | TCP | | Artemis: Spaceship Bridge Simulator default port |
| 2012 | TCP | | Remoticus (http://remoticus.com) Server |
| 2013 | TCP | | Remoticus (http://remoticus.com) Server Hooks |
| 2030 | | | Oracle services for Microsoft Transaction Server |
| 2031 | TCP | UDP | mobrien-chat(http://chat.mobrien.com:2031) |
| 2041 | TCP | | Mail.Ru Agent communication protocol ^{[<i>citation needed</i>]} |
| 2049 | TCP | UDP | Network File System |
| 2049 | | UDP | shilp |
| 2053 | TCP | | knetd Kerberos de-multiplexor |
| 2056 | | UDP | Civilization 4 multiplayer |
| 2074 | TCP | UDP | Vertel VMF SA (i.e. App.. SpeakFreely) |
| 2080 | TCP | UDP | Autodesk NLM (FLEXlm) |
| 2082 | TCP | | Infowave Mobility Server |
| 2082 | TCP | | CPanel default |
| 2083 | TCP | | Secure Radius Service (radsec) |
| 2083 | TCP | | CPanel default SSL |
| 2086 | TCP | | GNUnet |
| 2086 | TCP | | WebHost Manager default |
| 2087 | TCP | | WebHost Manager default SSL |
| 2095 | TCP | | CPanel default Web mail |
| 2096 | TCP | | CPanel default SSL Web mail |
| 2102 | TCP | UDP | zephyr-srv Project Athena Zephyr Notification Service server |
| 2103 | TCP | UDP | zephyr-clt Project Athena Zephyr Notification Service serv-hm connection |
| 2104 | TCP | UDP | zephyr-hm Project Athena Zephyr Notification Service hostmanager |
| 2105 | TCP | UDP | IBM MiniPay |
| 2105 | TCP | UDP | eklogin Kerberos encrypted remote login (rlogin) |
| 2105 | TCP | UDP | zephyr-hm-srv Project Athena Zephyr Notification Service hm-serv connection (should use port 2102) |
| 2115 | TCP | UDP | MIS Department |
| 2121 | TCP | | FTP proxy ^{[<i>citation needed</i>]} |
| 2144 | TCP | | Iron Mountain LiveVault Agent ^{[<i>citation needed</i>]} |
| 2145 | TCP | | Iron Mountain LiveVault Agent ^{[<i>citation needed</i>]} |
| 2156 | | UDP | Talari Reliable Protocol |
| 2160 | TCP | | APC Agent |
| 2161 | TCP | | APC Agent |
| 2181 | TCP | UDP | EForward-document transport system |
| 2190 | | UDP | TiVoConnect Beacon ^{[<i>citation needed</i>]} |
| 2195 | TCP | | Apple Push Notification service Link (http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWith |
| 2196 | TCP | | Apple Push Notification - Feedback Link (http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWith |
| 2200 | | UDP | Tuxanci game server ^{[<i>46</i>]} |
| 2210 | | UDP | NOAAPORT Broadcast Network |
| 2210 | TCP | | NOAAPORT Broadcast Network |
| 2210 | TCP | | MikroTik Remote management for "The Dude" |
| 2211 | | UDP | EMWIN |
| 2211 | TCP | | EMWIN |
| 2211 | TCP | | MikroTik Secure management for "The Dude" |
| 2212 | | UDP | LeeCO POS Server Service |
| 2212 | TCP | | LeeCO POS Server Service |
| 2212 | TCP | | Port-A-Pour Remote WinBatch |
| 2219 | TCP | UDP | NetIQ NCAP Protocol |
| 2220 | TCP | UDP | NetIQ End2End |
| 2221 | TCP | | ESET Anti-virus updates |
| 2222 | TCP | | DirectAdmin default & ESET Remote Administration |
| 2223 | | UDP | Microsoft Office OS X antipiracy network monitor ^{[<i>citation needed</i>]} |
| 2261 | TCP | UDP | CoMotion Master |
| 2262 | TCP | UDP | CoMotion Backup |
| 2301 | TCP | | HP System Management Redirect to port 2381 ^{[<i>citation needed</i>]} |
| 2302 | | UDP | ArmA multiplayer (default for game) |
| 2302 | | UDP | Halo: Combat Evolved multiplayer |
| 2303 | | UDP | ArmA multiplayer (default for server reporting) (<i>default port for game + 1</i>) |
| 2305 | | UDP | ArmA multiplayer (default for VoN) (<i>default port for game + 3</i>) |

| Port | TCP | UDP | Description |
|-----------|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------|
| 2323 | TCP | | Philips TVs based on jointSPACE ^[47] |
| 2369 | TCP | | Default for BMC Software Control-M/Server—Configuration Agent, though often changed during installation |
| 2370 | TCP | | Default for BMC Software Control-M/Server—to allow the Control-M/Enterprise Manager to connect to the Control-M/Server, though often |
| 2379 | TCP | | KGS Go Server |
| 2381 | TCP | | HP Insight Manager default for Web server ^[citation needed] |
| 2399 | TCP | | FileMaker Data Access Layer (ODBC/JDBC) |
| 2401 | TCP | | CVS version control system |
| 2404 | TCP | | IEC 60870-5 -104, used to send electric power telecontrol messages between two systems via directly connected data circuits |
| 2420 | | UDP | Westell Remote Access |
| 2424 | TCP | | OrientDB database listening for Binary client connections |
| 2427 | | UDP | Cisco MGCP |
| 2447 | TCP | UDP | ovwdb—OpenView Network Node Manager (NNM) daemon |
| 2463 | TCP | UDP | LSI RAID Management formerly Symbios Logic |
| 2480 | TCP | | OrientDB database listening for HTTP client connections |
| 2483 | TCP | UDP | Oracle database listening for unsecure client connections to the listener, replaces port 1521 |
| 2484 | TCP | UDP | Oracle database listening for SSL client connections to the listener |
| 2500 | TCP | | THEÖSMESSENGER listening for TheösMessenger client connections |
| 2501 | TCP | | TheosNet-Admin listening for TheösMessenger client connections |
| 2518 | TCP | UDP | Willy |
| 2525 | TCP | | SMTP alternate ^[citation needed] |
| 2535 | TCP | | MADCAP - Multicast Address Dynamic Client Allocation Protocol |
| 2546 | TCP | UDP | EVault data protection services |
| 2593 | TCP | UDP | RunUO—Ultima Online server |
| 25565 | TCP | | new ICA (Citrix) —when Session Reliability is enabled, TCP port 2598 replaces port 1494 ^[44] |
| 2599 | TCP | | SonicWALL anti-spam traffic between Remote Analyzer (RA) and Control Center (CC) |
| 2610 | TCP | | TrackiT mobile device monitoring |
| 2612 | TCP | UDP | QPasa from MQSoftware |
| 2636 | TCP | | Solve Service |
| 2638 | TCP | | Sybase database listener ^[citation needed] |
| 2641 | TCP | UDP | HDL Server from CNRI |
| 2642 | TCP | UDP | Tragic |
| 2698 | TCP | UDP | Citel / MCK IVPiP |
| 2700–2800 | TCP | | KnowShowGo P2P |
| 2710 | TCP | | XBT Tracker |
| 2710 | | UDP | XBT Tracker experimental UDP tracker extension |
| 2710 | TCP | | Knuddels.de ^[citation needed] |
| 2735 | TCP | UDP | NetIQ Monitor Console |
| 2809 | TCP | | corbaloc:iiop URL, per the CORBA 3.0.3 specification |
| 2809 | TCP | | IBM WebSphere Application Server (WAS) Bootstrap/rmi default |
| 2809 | | UDP | corbaloc:iiop URL, per the CORBA 3.0.3 specification. |
| 2827 | TCP | | I2P Basic Open Bridge API |
| 2868 | TCP | UDP | Norman Proprietary Event Protocol NPEP |
| 2944 | | UDP | Megaco text H.248 |
| 2945 | | UDP | Megaco binary (ASN.1) H.248 |
| 2947 | TCP | | gpsd GPS daemon |
| 2948 | TCP | UDP | WAP-push Multimedia Messaging Service (MMS) |
| 2949 | TCP | UDP | WAP-pushsecure Multimedia Messaging Service (MMS) |
| 2967 | TCP | | Symantec AntiVirus Corporate Edition |
| 3000 | TCP | | Miralix License server ^[citation needed] |
| 3000 | TCP | | Cloud9 Integrated Development Environment server |
| 3000 | | UDP | Distributed Interactive Simulation (DIS), modifiable default |
| 3000 | TCP | | Ruby on Rails development default ^[48] |
| 3001 | TCP | | Miralix Phone Monitor ^[citation needed] |
| 3001 | TCP | | Opware server (Satellite) |
| 3002 | TCP | | Miralix CSTA ^[citation needed] |
| 3003 | TCP | | Miralix GreenBox API ^[citation needed] |
| 3004 | TCP | | Miralix InfoLink ^[citation needed] |
| 3005 | TCP | | Miralix TimeOut ^[citation needed] |
| 3006 | TCP | | Miralix SMS Client Connector ^[citation needed] |
| 3007 | TCP | | Miralix OM Server ^[citation needed] |

| Port | TCP | UDP | Description |
|------|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3008 | TCP | | Miralix Proxy ^{[<i>citation needed</i>]} |
| 3017 | TCP | | Miralix IVR and Voicemail ^{[<i>citation needed</i>]} |
| 3025 | TCP | | netpd.org ^{[<i>citation needed</i>]} |
| 3030 | TCP | UDP | NetPanzer |
| 3040 | TCP | UDP | PandaROM Update Service Port |
| 3050 | TCP | UDP | gds_db (Interbase/Firebird) |
| 3051 | TCP | UDP | Galaxy Server (Gateway Ticketing Systems) |
| 3052 | TCP | UDP | APC PowerChute Network ^{[1]} |
| 3074 | TCP | UDP | NAT / Xbox LIVE and/or Games for Windows - LIVE |
| 3100 | TCP | | SMAUSA OpCon Scheduler as the default listen port ^{[<i>citation needed</i>]} |
| 3101 | TCP | | BlackBerry Enterprise Server communication to cloud |
| 3119 | TCP | | D2000 Entis/Actis Application server |
| 3128 | TCP | | Web caches and the default for the Squid (software) |
| 3128 | TCP | | Tatsoft default client connection ^{[<i>citation needed</i>]} |
| 3162 | TCP | UDP | SFLM (Standard Floating License Manager) |
| 3225 | TCP | UDP | FCIP (Fiber Channel over Internet Protocol) |
| 3233 | TCP | UDP | WhiskerControl research control protocol |
| 3235 | TCP | UDP | Galaxy Network Service (Gateway Ticketing Systems) |
| 3260 | TCP | | iSCSI target |
| 3268 | TCP | UDP | msft-gc, Microsoft Global Catalog (LDAP service which contains data from Active Directory forests) |
| 3269 | TCP | UDP | msft-gc-ssl, Microsoft Global Catalog over SSL (similar to port 3268, LDAP over SSL) |
| 3283 | TCP | | Apple Remote Desktop reporting (officially <i>Net Assistant</i> , referring to an earlier product) |
| 3290 | | UDP | Used by VATSIM, the Virtual Air Traffic Simulation network for voice communication. |
| 3299 | TCP | | SAP-Router (routing application proxy for SAP R/3) |
| 3300 | TCP | UDP | Debate Gopher backend database system ^{[<i>citation needed</i>]} |
| 3305 | TCP | UDP | odette-ftp, Odette File Transfer Protocol (OFTP) |
| 3306 | TCP | UDP | MySQL database system |
| 3313 | TCP | | Verisys file integrity monitoring software |
| 3333 | TCP | | Network Caller ID server |
| 3333 | TCP | | CruiseControl.rb ^{[49]} |
| 3386 | TCP | UDP | GTP' 3GPP GSM/UMTS CDR logging protocol |
| 3389 | TCP | UDP | Microsoft Terminal Server (RDP) officially registered as Windows Based Terminal (WBT) - Link (http://support.microsoft.com/kb/306759) |
| 3396 | TCP | UDP | Novell NDPS Printer Agent |
| 3412 | TCP | UDP | xmlBlaster |
| 3455 | TCP | UDP | [RSVP] Reservation Protocol |
| 3423 | TCP | | Xware xTrm Communication Protocol |
| 3424 | TCP | | Xware xTrm Communication Protocol over SSL |
| 3478 | TCP | UDP | STUN, a protocol for NAT traversal ^{[50]} |
| 3478 | TCP | UDP | TURN, a protocol for NAT traversal ^{[51]} |
| 3483 | | UDP | Slim Devices discovery protocol |
| 3483 | TCP | | Slim Devices SlimProto protocol |
| 3516 | TCP | UDP | Smartcard Port |
| 3527 | | UDP | Microsoft Message Queuing |
| 3535 | TCP | | SMTP alternate ^{[52]} |
| 3537 | TCP | UDP | ni-visa-remote ^{[<i>citation needed</i>]} |
| 3544 | | UDP | Teredo tunneling |
| 3605 | | UDP | ComCam IO Port |
| 3606 | TCP | UDP | Splitlock Server |
| 3632 | TCP | | distributed compiler |
| 3689 | TCP | | Digital Audio Access Protocol (DAAP)—used by Apple’s iTunes and AirPort Express |
| 3690 | TCP | UDP | Subversion (SVN) version control system |
| 3702 | TCP | UDP | Web Services Dynamic Discovery (WS-Discovery), used by various components of Windows Vista |
| 3724 | TCP | UDP | Used by some Blizzard games ^{[41]} |
| 3724 | TCP | | Club Penguin Disney online game for kids |
| 3784 | TCP | UDP | VoIP program used by Ventrilo |
| 3785 | | UDP | VoIP program used by Ventrilo |
| 3799 | | UDP | RADIUS change of authorization |
| 3800 | TCP | | Used by HGG programs ^{[<i>citation needed</i>]} |
| 3825 | TCP | | Used by RedSeal Networks client/server connection ^{[<i>citation needed</i>]} |
| 3826 | TCP | UDP | WarMUX game server |
| 3826 | TCP | | Used by RedSeal Networks client/server connection ^{[<i>citation needed</i>]} |

| Port | TCP | UDP | Description |
|-----------|-----|------|---------------------------------------------------------------------------------------------------------------------|
| 3835 | TCP | | Used by RedSeal Networks client/server connection ^{[<i>citation needed</i>]} |
| 3880 | TCP | UDP | IGRS |
| 3868 | TCP | SCTP | Diameter base protocol (RFC 3588) |
| 3872 | TCP | | Oracle Management Remote Agent ^{[<i>citation needed</i>]} |
| 3899 | TCP | | Remote Administrator |
| 3900 | TCP | | udt_os, IBM UniData UDT OS ^{[53]} |
| 3945 | TCP | UDP | EMCADS service, a Giritech (http://www.giritech.com/) product used by G/On |
| 3978 | TCP | UDP | OpenTTD game (masterserver and content service) |
| 3979 | TCP | UDP | OpenTTD game |
| 3999 | TCP | UDP | Norman distributed scanning service |
| 4000 | TCP | UDP | Diablo II game |
| 4001 | TCP | | Microsoft Ants game |
| 4007 | TCP | | PrintBuzzer printer monitoring socket server ^{[<i>citation needed</i>]} |
| 4018 | TCP | UDP | protocol information and warnings |
| 4035 | TCP | TCP | IBM Rational Developer for System z Remote System Explorer Daemon |
| 4045 | TCP | UDP | Solaris lockd NFS lock daemon/manager |
| 4069 | | UDP | Minger Email Address Verification Protocol ^{[54]} |
| 4089 | TCP | UDP | OpenCORE Remote Control Service |
| 4093 | TCP | UDP | PxPlus Client server interface ProvideX |
| 4096 | TCP | UDP | Ascom Timeplex BRE (Bridge Relay Element) |
| 4100 | | | WatchGuard authentication applet default |
| 4105 | TCP | UDP | Shofar (ShofarNexus) |
| 4111 | TCP | | Xgrid |
| 4116 | TCP | UDP | Smartcard-TLS |
| 4125 | TCP | | Microsoft Remote Web Workplace administration |
| 4172 | TCP | UDP | Teradici PCoIP |
| 4201 | TCP | | TinyMUD and various derivatives |
| 4226 | TCP | UDP | Aleph One (game) |
| 4224 | TCP | | Cisco Audio Session Tunneling ^{[<i>citation needed</i>]} |
| 4242 | TCP | | Reverse Battle Tetris |
| 4242 | TCP | | Orthanc - Default DICOM port |
| 4321 | TCP | | Referral Whois (RWhois) Protocol ^{[55]} |
| 4323 | | UDP | Lincoln Electric's ArcLink/XT ^{[<i>citation needed</i>]} |
| 4433-4436 | TCP | | Axence nVision ^{[56]} |
| 4444-4445 | TCP | | I2P HTTP/S proxy |
| 4486 | TCP | UDP | Integrated Client Message Service (ICMS) |
| 4500 | | UDP | IPSec NAT Traversal (RFC 3947) |
| 4502-4534 | TCP | | Microsoft Silverlight connectable ports under non-elevated trust |
| 4534 | | UDP | Armagetron Advanced default server port |
| 4567 | TCP | | Sinatra default server port in development mode (HTTP) |
| 4569 | | UDP | Inter-Asterisk eXchange (IAX2) |
| 4610–4640 | TCP | | QualiSystems TestShell Suite Services |
| 4662 | | UDP | OrbitNet Message Service |
| 4662 | TCP | | OrbitNet Message Service |
| 4662 | TCP | | Default for older versions of eMule ^{[57]} |
| 4664 | TCP | | Google Desktop Search |
| 4665 | TCP | | Tardis Beacon Time-virus |
| 4672 | | UDP | Default for older versions of eMule ^{[57]} |
| 4711 | TCP | | eMule optional web interface ^{[57]} |
| 4711 | TCP | | McAfee Web Gateway 7 - Default GUI Port HTTP ^{[<i>citation needed</i>]} |
| 4712 | TCP | | McAfee Web Gateway 7 - Default GUI Port HTTPS ^{[<i>citation needed</i>]} |
| 4713 | TCP | | PulseAudio sound server |
| 4728 | TCP | | Computer Associates Desktop and Server Management (DMP)/Port Multiplexer ^{[58]} |
| 4730 | TCP | UDP | Gearman' job server |
| 4732 | | UDP | Digital Airways' OHM server's commands to mobile devices (used mainly for binary SMS) |
| 4747 | TCP | | Apprentice |
| 4750 | TCP | | BladeLogic Agent |
| 4753 | TCP | UDP | SIMON (service and discovery) |

| Port | TCP | UDP | Description |
|------|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4840 | TCP | UDP | OPC UA TCP Protocol for OPC Unified Architecture from OPC Foundation |
| 4843 | TCP | UDP | OPC UA TCP Protocol over TLS/SSL for OPC Unified Architecture from OPC Foundation |
| 4847 | TCP | UDP | Web Fresh Communication, Quadtrion Software & Odorless Entertainment |
| 4894 | TCP | UDP | LysKOM Protocol A |
| 4899 | TCP | UDP | Radmin remote administration tool |
| 4949 | TCP | | Munin Resource Monitoring Tool |
| 4950 | TCP | UDP | Cylon Controls UC32 Communications Port |
| 4982 | TCP | UDP | Solar Data Log (JK client app for PV solar inverters) ^[<i>citation needed</i>] |
| 4993 | TCP | UDP | Home FTP Server web Interface Default Port ^[<i>citation needed</i>] |
| 5000 | TCP | | complex-main |
| 5000 | TCP | | UPnP—Windows network device interoperability |
| 5000 | TCP | UDP | VTun—VPN Software |
| 5000 | | UDP | FlightGear multiplayer ^[59] |
| 5000 | TCP | | Synology Inc. Management Console, File Station, Audio Station |
| 5001 | TCP | | complex-link |
| 5001 | TCP | | Slingbox and Slingplayer |
| 5001 | TCP | | Iperf (Tool for measuring TCP and UDP bandwidth performance) |
| 5001 | | UDP | Iperf (Tool for measuring TCP and UDP bandwidth performance) |
| 5001 | TCP | | Synology Inc. Secured Management Console, File Station, Audio Station |
| 5002 | TCP | | SOLICARD ARX ^[60] |
| 5002 | | UDP | Drobo Dashboard ^[61] |
| 5003 | TCP | UDP | FileMaker |
| 5004 | TCP | UDP | RTP (Real-time Transport Protocol) media data (RFC 3551, RFC 4571) |
| 5004 | DCCP | | RTP (Real-time Transport Protocol) media data (RFC 3551, RFC 4571) |
| 5005 | TCP | UDP | RTP (Real-time Transport Protocol) control protocol (RFC 3551, RFC 4571) |
| 5005 | DCCP | | RTP (Real-time Transport Protocol) control protocol (RFC 3551, RFC 4571) |
| 5010 | TCP | UDP | Registered to: TelePath (the IBM FlowMark workflow-management system messaging platform) ^[62] The TCP port is now used for: IBM WebSphere MQ Workflow |
| 5011 | TCP | UDP | TelePath (the IBM FlowMark workflow-management system messaging platform) ^[62] |
| 5029 | TCP | | Sonic Robo Blast 2 (http://www.srb2.org/) : Multiplayer ^[63] |
| 5031 | TCP | UDP | AVM CAPI-over-TCP (ISDN over Ethernet tunneling) ^[<i>citation needed</i>] |
| 5037 | TCP | | Android ADB server |
| 5050 | TCP | | Yahoo! Messenger |
| 5051 | TCP | | ita-agent Symantec Intruder Alert ^[64] |
| 5060 | TCP | UDP | Session Initiation Protocol (SIP) |
| 5061 | TCP | | Session Initiation Protocol (SIP) over TLS |
| 5070 | TCP | | Binary Floor Control Protocol (BFCP), ^[65] published as RFC 4582, is a protocol that allows for an additional video channel (known as the con video channel in a video-conferencing call that uses SIP. Also used for Session Initiation Protocol (SIP) preferred port for PUBLISH on SIP 1 Server (CUPS) |
| 5082 | TCP | UDP | Qpur Communication Protocol |
| 5083 | TCP | UDP | Qpur File Protocol |
| 5084 | TCP | UDP | EPCglobal Low Level Reader Protocol (LLRP) |
| 5085 | TCP | UDP | EPCglobal Low Level Reader Protocol (LLRP) over TLS |
| 5093 | | UDP | SafeNet, Inc Sentinel LM, Sentinel RMS, License Manager, Client-to-Server |
| 5099 | TCP | UDP | SafeNet, Inc Sentinel LM, Sentinel RMS, License Manager, Server-to-Server |
| 5104 | TCP | | IBM Tivoli Framework NetCOOL/Impact ^[66] HTTP Service |
| 5106 | TCP | | A-Talk Common connection ^[<i>citation needed</i>] |
| 5107 | TCP | | A-Talk Remote server connection ^[<i>citation needed</i>] |
| 5108 | TCP | | VPOP3 Mail Server Webmail ^[<i>citation needed</i>] |
| 5109 | TCP | UDP | VPOP3 Mail Server Status ^[<i>citation needed</i>] |
| 5110 | TCP | | ProRat Server |
| 5121 | TCP | | Neverwinter Nights |
| 5124 | TCP | UDP | TorgaNET (Micronational Darknet) |
| 5125 | TCP | UDP | TorgaNET (Micronational Intelligence Darknet) |
| 5150 | TCP | UDP | ATMP Ascend Tunnel Management Protocol ^[67] |
| 5150 | TCP | UDP | Malware Cerberus RAT ^[<i>citation needed</i>] |
| 5151 | TCP | | ESRI SDE Instance |
| 5151 | | UDP | ESRI SDE Remote Start |
| 5154 | TCP | UDP | BZFlag |
| 5176 | TCP | | ConsoleWorks default UI interface ^[<i>citation needed</i>] |
| 5190 | TCP | | ICQ and AOL Instant Messenger |
| | | | |

| Port | TCP | UDP | Description |
|------|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5222 | TCP | | Extensible Messaging and Presence Protocol (XMPP) client connection ^{[68][69]} |
| 5223 | TCP | | Extensible Messaging and Presence Protocol (XMPP) client connection over SSL |
| 5228 | TCP | | HP Virtual Room Service |
| 5228 | TCP | | Google Play, Android Cloud to Device Messaging Service, Google Cloud Messaging |
| 5246 | | UDP | Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP control ^[70] |
| 5247 | | UDP | Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP data ^[70] |
| 5269 | TCP | | Extensible Messaging and Presence Protocol (XMPP) server connection ^{[68][69]} |
| 5280 | TCP | | Extensible Messaging and Presence Protocol (XMPP) XEP-0124: Bidirectional-streams Over Synchronous HTTP (BOSH) (http://xmpp.org/e |
| 5281 | TCP | | Undo License Manager |
| 5281 | TCP | | Extensible Messaging and Presence Protocol (XMPP) ^[71] |
| 5298 | TCP | UDP | Extensible Messaging and Presence Protocol (XMPP) ^[72] |
| 5310 | TCP | UDP | Outlaws (1997 video game). Both UDP and TCP are reserved, but only UDP is used |
| 5310 | TCP | UDP | Ginever.net data communication port ^[citation needed] |
| 5311 | TCP | UDP | Ginever.net data communication port ^[citation needed] |
| 5312 | TCP | UDP | Ginever.net data communication port ^[citation needed] |
| 5313 | TCP | UDP | Ginever.net data communication port ^[citation needed] |
| 5314 | TCP | UDP | Ginever.net data communication port ^[citation needed] |
| 5315 | TCP | UDP | Ginever.net data communication port ^[citation needed] |
| 5349 | TCP | | STUN, a protocol for NAT traversal (UDP is reserved) ^[50] |
| 5349 | TCP | | TURN, a protocol for NAT traversal (UDP is reserved) ^[51] |
| 5351 | TCP | UDP | NAT Port Mapping Protocol—client-requested configuration for inbound connections through network address translators |
| 5353 | | UDP | Multicast DNS (mDNS) |
| 5355 | TCP | UDP | LLMNR—Link-Local Multicast Name Resolution, allows hosts to perform name resolution for hosts on the same local link (only provided by |
| 5357 | TCP | UDP | Web Services for Devices (WSDAPI) (only provided by Windows Vista, Windows 7 and Server 2008) |
| 5358 | TCP | UDP | WSDAPI Applications to Use a Secure Channel (only provided by Windows Vista, Windows 7 and Server 2008) |
| 5394 | | UDP | Kega Fusion, a Sega multi-console emulator ^{[73][74]} |
| 5402 | TCP | UDP | mftp, Stratacache OmniCast (http://stratacache.com/1!_omnicast.html) content delivery system MFTP file sharing protocol |
| 5405 | TCP | UDP | NetSupport Manager |
| 5412 | TCP | UDP | IBM Rational Synergy (Telelogic Synergy) (Continuus CM) Message Router |
| 5413 | TCP | UDP | Wonderware SuiteLink service |
| 5421 | TCP | UDP | NetSupport Manager |
| 5432 | TCP | UDP | PostgreSQL database system |
| 5433 | TCP | | Bouwsoft file/webserver ^[75] |
| 5445 | | UDP | Cisco Unified Video Advantage ^[citation needed] |
| 5450 | TCP | | OSIsoft PI Server Client Access |
| 5457 | TCP | | OSIsoft PI Asset Framework Client Access |
| 5458 | TCP | | OSIsoft PI Notifications Client Access |
| 5495 | TCP | | IBM Cognos TM1 Admin server |
| 5498 | TCP | | Hotline tracker server connection |
| 5499 | | UDP | Hotline tracker server discovery |
| 5500 | TCP | | VNC remote desktop protocol—for incoming listening viewer, Hotline control connection |
| 5501 | TCP | | Hotline file transfer connection |
| 5517 | TCP | | Setiqueue Proxy server client for SETI@Home project |
| 5550 | TCP | | Hewlett-Packard Data Protector ^[citation needed] |
| 5555 | TCP | | Freeciv versions up to 2.0, Hewlett-Packard Data Protector, McAfee EndPoint Encryption Database Server, SAP, Default for Microsoft Dyna |
| 5556 | TCP | UDP | Freeciv |
| 5591 | TCP | | Default for Tidal Enterprise Scheduler master-Socket used for communication between Agent-to-Master, though can be changed ^[citation needed] |
| 5631 | TCP | | pcANYWHEREdata, Symantec pcAnywhere (version 7.52 and later ^[76]) ^[77] data |
| 5632 | | UDP | pcANYWHEREstat, Symantec pcAnywhere (version 7.52 and later) status |
| 5656 | TCP | | IBM Lotus Sametime p2p file transfer |
| 5666 | TCP | | NRPE (Nagios) |
| 5667 | TCP | | NSCA (Nagios) |
| 5678 | | UDP | Mikrotik RouterOS Neighbor Discovery Protocol (MNDP) |
| 5721 | TCP | UDP | Kaseya ^[citation needed] |
| 5723 | TCP | | Operations Manager ^[78] |
| 5741 | TCP | UDP | IDA Discover Port 1 |
| 5742 | TCP | UDP | IDA Discover Port 2 |
| 5800 | TCP | | VNC remote desktop protocol—for use over HTTP |
| 5814 | TCP | UDP | Hewlett-Packard Support Automation (HP OpenView Self-Healing Services) ^[citation needed] |
| 5850 | TCP | | COMIT SE (PCR) ^[citation needed] |

| Port | TCP | UDP | Description |
|-----------|-----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5852 | TCP | | Adeona client: communications to OpenDHT ^[<i>citation needed</i>] |
| 5900 | TCP | UDP | Virtual Network Computing (VNC) remote desktop protocol (used by Apple Remote Desktop and others) |
| 5912 | TCP | | Default for Tidal Enterprise Scheduler agent-Socket used for communication between Master-to-Agent, though can be changed ^[<i>citation needed</i>] |
| 5938 | TCP | UDP | TeamViewer remote desktop protocol |
| 5984 | TCP | UDP | CouchDB database server |
| 5999 | TCP | | CVSup file update tool ^[79] |
| 6000 | TCP | | X11—used between an X client and server over the network |
| 6001 | | UDP | X11—used between an X client and server over the network |
| 6005 | TCP | | Default for BMC Software Control-M/Server—Socket used for communication between Control-M processes—though often changed during |
| 6005 | TCP | | Default for Camfrog chat & cam client |
| 6009 | TCP | | JD Edwards EnterpriseOne ERP system JDENet messaging client listener |
| 6050 | TCP | | Arcserve backup |
| 6050 | TCP | | Nortel software ^[<i>citation needed</i>] |
| 6051 | TCP | | Arcserve backup |
| 6072 | TCP | | iOperator Protocol Signal Port ^[<i>citation needed</i>] |
| 6086 | TCP | | PDTP—FTP like file server in a P2P network |
| 6100 | TCP | | Vizrt System |
| 6100 | TCP | | Ventrilo This is the authentication port that must be allowed outbound for version 3 of Ventrilo |
| 6101 | TCP | | Backup Exec Agent Browser ^[<i>citation needed</i>] |
| 6110 | TCP | UDP | softcm, HP Softbench CM |
| 6111 | TCP | UDP | spc, HP Softbench Sub-Process Control |
| 6112 | | UDP | "dtspec"—a network daemon that accepts requests from clients to execute commands and launch applications remotely |
| 6112 | TCP | | "dtspec"—a network daemon that accepts requests from clients to execute commands and launch applications remotely |
| 6112 | TCP | | Blizzard's Battle.net gaming service and some games, ^[41] ArenaNet gaming service, Relic gaming service |
| 6112 | TCP | | Club Penguin Disney online game for kids |
| 6113 | TCP | | Club Penguin Disney online game for kids, Used by some Blizzard games ^[41] |
| 6129 | TCP | | DameWare Remote Control |
| 6257 | | UDP | WinMX (see also 6699) |
| 6260 | TCP | UDP | planet M.U.L.E. |
| 6262 | TCP | | Sybase Advantage Database Server |
| 6324 | TCP | UDP | Hall Research (http://www.hallresearch.com) Device discovery and configuration |
| 6343 | | UDP | SFlow, sFlow traffic monitoring |
| 6346 | TCP | UDP | gnutella-svc, gnutella (FrostWire, Limewire, Shareaza, etc.) |
| 6347 | TCP | UDP | gnutella-rtr, Gnutella alternate |
| 6350 | TCP | UDP | App Discovery and Access Protocol |
| 6389 | TCP | | EMC CLARiiON |
| 6432 | TCP | | PgBouncer - A connection pooler for PostgreSQL |
| 6444 | TCP | UDP | Sun Grid Engine—Qmaster Service |
| 6445 | TCP | UDP | Sun Grid Engine—Execution Service |
| 6502 | TCP | UDP | Netop Business Solutions - NetOp Remote Control |
| 6503 | | UDP | Netop Business Solutions - NetOp School ^[<i>citation needed</i>] |
| 6514 | TCP | | Syslog over TLS ^[80] |
| 6515 | TCP | UDP | Eclipse RPC Protocol (REC) |
| 6522 | TCP | | Gobby (and other libobby-based software) |
| 6523 | TCP | | Gobby 0.5 (and other libinfinity-based software) |
| 6543 | | UDP | Paradigm Research & Development (http://www.p-rd.com/index.html) Jetnet ^[81] default |
| 6566 | TCP | | SANE (Scanner Access Now Easy)—SANE network scanner daemon |
| 6560-6561 | TCP | | Speech-Dispatcher daemon |
| 6571 | | | Windows Live FolderShare client |
| 6600 | TCP | | Music Player Daemon (MPD) |
| 6619 | TCP | UDP | odette-ftps, Odette File Transfer Protocol (OFTP) over TLS/SSL |
| 6646 | | UDP | McAfee Network Agent ^[<i>citation needed</i>] |
| 6660–6664 | TCP | | Internet Relay Chat (IRC) |
| 6665–6669 | TCP | | Internet Relay Chat (IRC) |
| 6679 | TCP | UDP | Osorno Automation Protocol (OSAUT) |
| 6679 | TCP | | IRC SSL (Secure Internet Relay Chat)—often used |
| 6697 | TCP | | IRC SSL (Secure Internet Relay Chat)—often used |
| 6699 | TCP | | WinMX (see also 6257) |
| 6702 | TCP | | Default for Tidal Enterprise Scheduler client-Socket used for communication between Client-to-Master, though can be changed ^[<i>citation needed</i>] |

| Port | TCP | UDP | Description |
|-----------|-----|-----|-----------------------------------------------------------------------------------------------------------------------------|
| 6715 | TCP | | AberMUD and derivatives default port |
| 6771 | | UDP | Polycom server broadcast ^{[<i>citation needed</i>]} |
| 6789 | TCP | | Campbell Scientific Loggernet Software ^{[82]} |
| 6789 | TCP | | Bucky's Instant Messaging Program |
| 6881–6887 | TCP | UDP | BitTorrent part of full range of ports used most often |
| 6888 | TCP | UDP | MUSE |
| 6888 | TCP | UDP | BitTorrent part of full range of ports used most often |
| 6889–6890 | TCP | UDP | BitTorrent part of full range of ports used most often |
| 6891–6900 | TCP | UDP | BitTorrent part of full range of ports used most often |
| 6891–6900 | TCP | UDP | Windows Live Messenger (File transfer) |
| 6901 | TCP | UDP | Windows Live Messenger (Voice) |
| 6901 | TCP | UDP | BitTorrent part of full range of ports used most often |
| 6902–6968 | TCP | UDP | BitTorrent part of full range of ports used most often |
| 6969 | TCP | UDP | acmsoda |
| 6969 | TCP | | BitTorrent tracker |
| 6970–6999 | TCP | UDP | BitTorrent part of full range of ports used most often |
| 7000 | TCP | | Default for Vuze's built in HTTPS Bittorrent Tracker |
| 7000 | TCP | | Avira Server Management Console |
| 7001 | TCP | | Avira Server Management Console |
| 7001 | TCP | | Default for BEA WebLogic Server's HTTP server, though often changed during installation |
| 7002 | TCP | | Default for BEA WebLogic Server's HTTPS server, though often changed during installation |
| 7005 | TCP | | Default for BMC Software Control-M/Server and Control-M/Agent for Agent-to-Server, though often changed during installation |
| 7006 | TCP | | Default for BMC Software Control-M/Server and Control-M/Agent for Server-to-Agent, though often changed during installation |
| 7010 | TCP | | Default for Cisco AON AMC (AON Management Console) ^{[83]} |
| 7022 | TCP | | Database mirroring endpoints ^{[<i>citation needed</i>]} |
| 7023 | | UDP | Bryan Wilcutt T2-NMCS Protocol for SatCom Modems |
| 7025 | TCP | | Zimbra LMTP [mailbox]—local mail delivery |
| 7047 | TCP | | Zimbra conversion server |
| 7133 | TCP | | Enemy Territory: Quake Wars |
| 7144 | TCP | | Peercast ^{[<i>citation needed</i>]} |
| 7145 | TCP | | Peercast ^{[<i>citation needed</i>]} |
| 7171 | TCP | | Tibia |
| 7306 | TCP | | Zimbra mysql [mailbox] ^{[<i>citation needed</i>]} |
| 7307 | TCP | | Zimbra mysql [logger] ^{[<i>citation needed</i>]} |
| 7312 | | UDP | Sibelius License Server |
| 7396 | TCP | | Web control interface for Folding@home v7.3.6 and later ^{[84]} |
| 7400 | TCP | UDP | RTPS (Real Time Publish Subscribe) DDS Discovery |
| 7401 | TCP | UDP | RTPS (Real Time Publish Subscribe) DDS User-Traffic |
| 7402 | TCP | UDP | RTPS (Real Time Publish Subscribe) DDS Meta-Traffic |
| 7473 | TCP | UDP | Rise: The Vieneo Province |
| 7547 | TCP | UDP | CPE WAN Management Protocol Technical Report 069 |
| 7615 | TCP | | ISL Online ^{[85]} communication protocol |
| 7624 | TCP | UDP | Instrument Neutral Distributed Interface |
| 7634 | TCP | | hddtemp - Utility to monitor hard drive temperature |
| 7652-7654 | TCP | | I2P anonymizing overlay network |
| 7655 | | UDP | I2P SAM Bridge Socket API |
| 7656-7660 | TCP | | I2P anonymizing overlay network |
| 7670 | TCP | | BrettspielWelt BSW Boardgame Portal |
| 7676 | TCP | | Aqumin AlphaVision Remote Command Interface ^{[<i>citation needed</i>]} |
| 7700 | | UDP | P2P DC (RedHub) ^{[<i>citation needed</i>]} |
| 7707 | | UDP | Killing Floor |
| 7708 | | UDP | Killing Floor |
| 7717 | | UDP | Killing Floor |
| 7777 | TCP | | iChat server file transfer proxy |
| 7777 | TCP | | Oracle Cluster File System 2 ^{[<i>citation needed</i>]} |

| Port | TCP | UDP | Description |
|-----------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7777 | TCP | | Windows backdoor program tini.exe default ^{[<i>citation needed</i>]} |
| 7777 | TCP | | Xivio default Chat Server ^{[<i>citation needed</i>]} |
| 7777 | TCP | | Terraria default server |
| 7777 | | UDP | San Andreas Multiplayer default server |
| 7778 | TCP | | Bad Trip MUD (http://www.badtripmud.com) ^{[<i>citation needed</i>]} |
| 7777-7788 | | UDP | Unreal Tournament series default server ^{[<i>citation needed</i>]} |
| 7777-7788 | TCP | | Unreal Tournament series default server ^{[<i>citation needed</i>]} |
| 7787-7788 | TCP | | GFI EventsManager 7 & 8 ^{[<i>citation needed</i>]} |
| 7831 | TCP | | Default used by Smartlaunch Internet Cafe Administration ^{[86]} software |
| 7880 | TCP | UDP | PowerSchool Gradebook Server ^{[<i>citation needed</i>]} |
| 7890 | TCP | | Default that will be used by the iControl Internet Cafe Suite Administration software |
| 7915 | TCP | | Default for YSFlight server ^{[87]} |
| 7935 | TCP | | Fixed port used for Adobe Flash Debug Player to communicate with a debugger (Flash IDE, Flex Builder or fdb). ^{[88]} |
| 7937-9936 | TCP | UDP | EMC ² (Legato) Networker or Sun Solstice Backup |
| 8000 | | UDP | iRDMI (Intel Remote Desktop Management Interface) ^{[89]} —sometimes erroneously used instead of port 8080 |
| 8000 | TCP | | iRDMI (Intel Remote Desktop Management Interface) ^{[89]} —sometimes erroneously used instead of port 8080 |
| 8000 | TCP | | Commonly used for internet radio streams such as those using SHOUTcast |
| 8000 | TCP | | FreemakeVideoCapture service a part of Freemake Video Downloader ^{[90]} |
| 8000 | TCP | | Nortel Contivity Router Firewall User Authentication (FWUA) default port number |
| 8001 | TCP | | Commonly used for internet radio streams such as those using SHOUTcast |
| 8002 | TCP | | Cisco Systems Unified Call Manager Intercluster ^{[<i>citation needed</i>]} |
| 8008 | TCP | | HTTP Alternate |
| 8008 | TCP | | IBM HTTP Server administration default |
| 8009 | TCP | | ajp13—Apache JServ Protocol AJP Connector |
| 8010 | TCP | | XMPP File transfers |
| 8011-8013 | TCP | | HTTP/TCP Symon Communications Event and Query Engine ^{[<i>citation needed</i>]} |
| 8014 | TCP | | HTTP/TCP Symon Communications Event and Query Engine ^{[<i>citation needed</i>]} |
| 8014 | TCP | UDP | Perseus SDR Receiver (http://www.microtelecom.it/perseus/) default remote connection port ^{[<i>citation needed</i>]} |
| 8020 | TCP | | 360Works SuperContainer (http://360works.com/supercontainer/) ^{[91]} |
| 8042 | TCP | | Orthanc - Default HTTP Port for GUI |
| 8069 | TCP | | OpenERP Default HTTP port (web interface and xmlrpc calls) |
| 8070 | TCP | | OpenERP Legacy netrpc protocol |
| 8074 | TCP | | Gadu-Gadu |
| 8075 | TCP | | Killing Floor |
| 8078 | TCP | UDP | Default port for most Endless Online-based servers ^{[<i>citation needed</i>]} |
| 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 |
| 8080 | TCP | | Apache Tomcat |
| 8080 | | UDP | FilePhile Master/Relay |
| 8080 | TCP | | Vermont Systems / RecTrac Vermont Systems RecTrac (WebTrac) network installer |
| 8081 | TCP | | HTTP alternate, VibeStreamer, e.g. McAfee ePolicy Orchestrator (ePO) |
| 8086 | TCP | | HELM Web Host Automation Windows Control Panel |
| 8086 | TCP | | Kaspersky AV Control Center |
| 8087 | TCP | | Hosting Accelerator Control Panel |
| 8087 | TCP | | Parallels Plesk Control Panel |
| 8087 | | UDP | Kaspersky AV Control Center |
| 8088 | TCP | | Asterisk (PBX) Web Configuration utility (GUI Addon) |
| 8089 | TCP | | Splunk Daemon |
| 8090 | TCP | | HTTP Alternate (http_alt_alt)—used as an alternative to port 8080 ^{[<i>citation needed</i>]} |
| 8100 | TCP | | Console Gateway License Verification |
| 8111 | TCP | | JOSM Remote Control |
| 8116 | | UDP | Check Point Cluster Control Protocol |
| 8118 | TCP | | Privoxy—advertisement-filtering Web proxy |
| 8123 | TCP | | Polipo Web proxy |
| 8123 | TCP | | Bukkit DynMap Default Webserver Bind Address |
| 8192 | TCP | | Sophos Remote Management System |
| 8193 | TCP | | Sophos Remote Management System |
| 8194 | TCP | | Sophos Remote Management System |

| Port | TCP | UDP | Description |
|------|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8194 | TCP | | Bloomberg Application ^{[<i>citation needed</i>]} |
| 8195 | TCP | | Bloomberg Application ^{[<i>citation needed</i>]} |
| 8200 | TCP | | GoToMyPC |
| 8222 | TCP | | VMware Server Management User Interface ^{[92]} (insecure Web interface). ^{[93]} See also port 8333 |
| 8243 | TCP | UDP | HTTPS listener for Apache Synapse ^{[94]} |
| 8280 | TCP | UDP | HTTP listener for Apache Synapse ^{[94]} |
| 8291 | TCP | | Winbox—Default on a MikroTik RouterOS for a Windows application used to administer MikroTik RouterOS ^{[<i>citation needed</i>]} |
| 8303 | | UDP | Teeworlds Server |
| 8331 | TCP | | MultiBit, [8] (http://multibit.org) |
| 8332 | TCP | | Bitcoin JSON-RPC server ^{[95]} |
| 8333 | TCP | | Bitcoin ^{[96]} |
| 8333 | TCP | | VMware Server Management User Interface ^{[92]} (secure Web interface). ^{[93]} See also port 8222 |
| 8400 | TCP | UDP | cvp, Commvault Unified Data Management |
| 8442 | TCP | UDP | CyBro A-bus, Cybrotech Ltd. (http://www.cybrotech.co.uk) |
| 8443 | TCP | | SW Soft Plesk Control Panel, Apache Tomcat SSL, Promise WebPAM SSL, McAfee ePolicy Orchestrator (ePO) |
| 8484 | TCP | UDP | MapleStory |
| 8500 | TCP | UDP | ColdFusion Macromedia/Adobe ColdFusion default and Duke Nukem 3D—default |
| 8501 | TCP | | [9] (http://www.dukesterx.net) DukesterX —default ^{[<i>citation needed</i>]} |
| 8601 | TCP | | Wavestore CCTV protocol ^{[97]} |
| 8602 | TCP | UDP | Wavestore Notification protocol ^{[97]} |
| 8642 | TCP | | Lotus Traveller ^{[<i>citation needed</i>]} |
| 8691 | TCP | | Ultra Fractal default server port for distributing calculations over network computers |
| 8701 | | UDP | SoftPerfect Bandwidth Manager |
| 8702 | | UDP | SoftPerfect Bandwidth Manager |
| 8767 | | UDP | TeamSpeak—default |
| 8768 | | UDP | TeamSpeak—alternate |
| 8778 | TCP | | EPOS Speech Synthesis System |
| 8834 | | | Nessus web |
| 8840 | TCP | | Opera Unite server |
| 8880 | | UDP | cddbp-alt, CD DataBase (CDDb) protocol (CDDBP) alternate |
| 8880 | TCP | | cddbp-alt, CD DataBase (CDDb) protocol (CDDBP) alternate |
| 8880 | TCP | | WebSphere Application Server SOAP connector default |
| 8880 | TCP | | Win Media Streamer to Server SOAP connector default |
| 8881 | TCP | | Atlasz Informatics Research Ltd Secure Application Server ^{[<i>citation needed</i>]} |
| 8881 | TCP | | Netflexity Inc QFlex - IBM WebSphere MQ monitoring software. |
| 8882 | TCP | | Atlasz Informatics Research Ltd Secure Application Server ^{[<i>citation needed</i>]} |
| 8883 | TCP | UDP | Secure MQ Telemetry Transport (MQTT over SSL) |
| 8886 | TCP | | PPM3 (Padtec Management Protocol version 3) |
| 8887 | TCP | | HyperVM HTTP |
| 8888 | TCP | | HyperVM HTTPS |
| 8888 | TCP | | Freenet HTTP |
| 8888 | TCP | UDP | NewsEDGE server |
| 8888 | TCP | | Sun Answerbook dwhttpd server (deprecated by docs.sun.com (http://docs.sun.com/app/docs)) |
| 8888 | TCP | | GNUmp3d HTTP music streaming and Web interface |
| 8888 | TCP | | LoLo Catcher HTTP Web interface (www.optiform.com) |
| 8888 | TCP | | D2GS Admin Console Telnet administration console for D2GS servers (Diablo 2) |
| 8888 | TCP | | Earthland Relams 2 Server (AU1_2) ^{[<i>citation needed</i>]} |
| 8888 | TCP | | MAMP Server |
| 8889 | TCP | | MAMP Server |
| 8889 | TCP | | Earthland Relams 2 Server (AU1_1) ^{[<i>citation needed</i>]} |
| 8937 | TCP | | Transaction Warehouse Data Service (TWDS) |
| 8983 | TCP | | Default for Apache Solr ^{[98]} |
| 8998 | TCP | | I2P Monotone Repository |
| 9000 | TCP | | Buffalo LinkSystem Web access ^{[<i>citation needed</i>]} |
| 9000 | TCP | | DBGp |
| 9000 | TCP | | SqueezeCenter web server & streaming |
| 9000 | | UDP | UDPCast |
| 9000 | TCP | | Play! Framework web server ^{[<i>citation needed</i>]} |
| 9001 | TCP | UDP | ETL Service Manager ^{[99]} |
| 9001 | | | Microsoft SharePoint authoring environment |

| Port | TCP | UDP | Description |
|------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------|
| 9001 | | | cisco-xremote router configuration ^{[<i>citation needed</i>]} |
| 9001 | | | Tor network default |
| 9001 | TCP | | DBGp Proxy |
| 9001 | TCP | | HSQldb default port |
| 9009 | TCP | UDP | Pichat Server—Peer to peer chat software |
| 9010 | TCP | | TISERVICEMANAGEMENT Numara Track-It! |
| 9020 | TCP | | WiT WiT Services |
| 9025 | TCP | | WiT WiT Services |
| 9030 | TCP | | Tor often used |
| 9043 | TCP | | WebSphere Application Server Administration Console secure |
| 9050 | TCP | | Tor |
| 9051 | TCP | | Tor |
| 9060 | TCP | | WebSphere Application Server Administration Console |
| 9080 | | UDP | glrpc, Groove Collaboration software GLRPC |
| 9080 | TCP | | glrpc, Groove Collaboration software GLRPC |
| 9080 | TCP | | WebSphere Application Server HTTP Transport (port 1) default |
| 9090 | TCP | UDP | WebSM |
| 9090 | TCP | | Webwasher, Secure Web, McAfee Web Gateway - Default Proxy Port ^{[<i>citation needed</i>]} |
| 9090 | TCP | | Openfire Administration Console |
| 9090 | TCP | | SqueezeCenter control (CLI) |
| 9091 | TCP | | Openfire Administration Console (SSL Secured) |
| 9091 | TCP | | Transmission (BitTorrent client) Web Interface |
| 9100 | TCP | | PDL Data Stream |
| 9101 | TCP | UDP | Bacula Director |
| 9102 | TCP | UDP | Bacula File Daemon |
| 9103 | TCP | UDP | Bacula Storage Daemon |
| 9105 | TCP | UDP | Xadmin Control Daemon |
| 9106 | TCP | UDP | Astergate Control Daemon |
| 9107 | TCP | | Astergate-FAX Control Daemon |
| 9110 | | UDP | SSMP Message protocol |
| 9119 | TCP | UDP | MXit Instant Messenger |
| 9191 | TCP | | Catamount Software - PocketMoney Sync ^{[<i>citation needed</i>]} |
| 9199 | TCP | | Avtex LLC - qStats |
| 9293 | TCP | | Sony PlayStation RemotePlay ^{[100]} |
| 9300 | TCP | | IBM Cognos 8 SOAP Business Intelligence and Performance Management |
| 9303 | | UDP | D-Link Shareport Share storage and MFP printers |
| 9309 | TCP | UDP | Sony PlayStation Vita Host Collaboration WiFi Data Transfer ^{[101]} |
| 9306 | TCP | | Sphinx Native API |
| 9312 | TCP | | Sphinx SphinxQL |
| 9418 | TCP | UDP | git, Git pack transfer service |
| 9420 | TCP | | MooseFS distributed file system—master server to chunk servers |
| 9421 | TCP | | MooseFS distributed file system—master server to clients |
| 9422 | TCP | | MooseFS distributed file system—chunk servers to clients |
| 9535 | TCP | UDP | mngsuite, LANDesk Management Suite Remote Control |
| 9536 | TCP | UDP | laes-bf, IP Fabrics Surveillance buffering function |
| 9600 | | UDP | Omron FINS, OMRON FINS PLC communication |
| 9675 | TCP | UDP | Spiceworks Desktop, IT Helpdesk Software |
| 9676 | TCP | UDP | Spiceworks Desktop, IT Helpdesk Software |
| 9695 | | UDP | CCNx (http://www.ccnx.org) |
| 9800 | TCP | UDP | WebDAV Source |
| 9800 | | | WebCT e-learning portal |
| 9875 | TCP | | Club Penguin Disney online game for kids |
| 9898 | | UDP | MonkeyCom ^{[<i>citation needed</i>]} |
| 9898 | TCP | | MonkeyCom ^{[<i>citation needed</i>]} |
| 9898 | TCP | | Tripwire—File Integrity Monitoring Software ^{[<i>citation needed</i>]} |
| 9987 | | UDP | TeamSpeak 3 server default (voice) port (for the conflicting service see the IANA list) |
| 9996 | TCP | UDP | Ryan's App "Ryan's App" Trading Software |
| 9996 | TCP | UDP | The Palace "The Palace" Virtual Reality Chat software.—5 |
| 9998 | TCP | UDP | The Palace "The Palace" Virtual Reality Chat software.—5 |
| 9999 | | | Hydranode—edonkey2000 TELNET control |
| 9999 | TCP | | Lantronix UDS-10/UDS100 ^{[102]} RS-485 to Ethernet Converter TELNET control |

| Port | TCP | UDP | Description |
|-------------|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9999 | | | Urchin Web Analytics ^{[<i>citation needed</i>]} |
| 10000 | | | Webmin—Web-based administration tool for Unix-like systems |
| 10000 | | | BackupExec |
| 10000 | | | Ericsson Account Manager (avim) ^{[<i>citation needed</i>]} |
| 10001 | TCP | | Lantronix UDS-10/UDS100 ^{[103]} RS-485 to Ethernet Converter default |
| 10008 | TCP | UDP | Octopus Multiplexer, primary port for the CROMP protocol (http://hoople.org/hoople/readme.txt), which provides a platform-independent me across a network |
| 10009 | TCP | UDP | Cross Fire, a multiplayer online First Person Shooter ^{[<i>citation needed</i>]} |
| 10010 | TCP | | Open Object REXX (ooRexx) rxapi daemon |
| 10017 | | | AIX, NeXT, HP-UX—rexed daemon control ^{[<i>citation needed</i>]} |
| 10024 | TCP | | Zimbra smtp [mta]—to amavis from postfix ^{[<i>citation needed</i>]} |
| 10025 | TCP | | Zimbra smtp [mta]—back to postfix from amavis ^{[<i>citation needed</i>]} |
| 10050 | TCP | UDP | Zabbix-Agent |
| 10051 | TCP | UDP | Zabbix-Trapper |
| 10110 | TCP | UDP | NMEA 0183 Navigational Data. Transport of NMEA 0183 sentences over TCP or UDP |
| 10113 | TCP | UDP | NetIQ Endpoint |
| 10114 | TCP | UDP | NetIQ Qcheck |
| 10115 | TCP | UDP | NetIQ Endpoint |
| 10116 | TCP | UDP | NetIQ VoIP Assessor |
| 10172 | TCP | | Intuit Quickbooks client |
| 10200 | TCP | | FRISK Software International's <i>fp scand</i> virus scanning daemon for Unix platforms ^{[104]} |
| 10200 | TCP | | FRISK Software International's <i>f-protd</i> virus scanning daemon for Unix platforms ^{[105]} |
| 10201–10204 | TCP | | FRISK Software International's <i>f-protd</i> virus scanning daemon for Unix platforms ^{[105]} |
| 10301 | TCP | | VoiceIP-ACS UMP default device provisioning endpoint ^{[<i>citation needed</i>]} |
| 10302 | TCP | | VoiceIP-ACS UMP default device provisioning endpoint (SSL) ^{[<i>citation needed</i>]} |
| 10308 | | | Lock-on: Modern Air Combat ^{[<i>citation needed</i>]} |
| 10480 | | | SWAT 4 Dedicated Server ^{[<i>citation needed</i>]} |
| 10823 | | UDP | Farming Simulator 2011 Default Server ^{[<i>citation needed</i>]} |
| 10891 | TCP | | Jungle Disk (this port is opened by the Jungle Disk Monitor service on the localhost) ^{[<i>citation needed</i>]} |
| 11001 | TCP | UDP | metasys (Johnson Controls Metasys java AC control environment) ^{[<i>citation needed</i>]} |
| 11112 | TCP | UDP | ACR/NEMA Digital Imaging and Communications in Medicine (DICOM) |
| 11155 | TCP | UDP | Tunngle |
| 11211 | TCP | UDP | memcached |
| 11235 | | | Savage:Battle for Newerth Server Hosting ^{[<i>citation needed</i>]} |
| 11294 | | | Blood Quest Online Server ^{[<i>citation needed</i>]} |
| 11371 | | | OpenPGP HTTP key server |
| 11576 | | | IPStor Server management communication |
| 12010 | TCP | | ElevateDB default database port ^{[106]} |
| 12011 | TCP | | Axence nVision ^{[56]} |
| 12012 | TCP | | Axence nVision ^{[56]} |
| 12012 | TCP | | Audition Online Dance Battle, Korea Server—Status/Version Check |
| 12012 | | UDP | Audition Online Dance Battle, Korea Server—Status/Version Check |
| 12013 | TCP | UDP | Audition Online Dance Battle, Korea Server |
| 12035 | | UDP | Linden Lab (http://wiki.secondlife.com/wiki/Authentication_Flow) viewer to sim on SecondLife ^{[<i>citation needed</i>]} |
| 12201 | | UDP | GELF Protocol (https://github.com/Graylog2/graylog2-docs/wiki/GELF) |
| 12222 | | UDP | Light Weight Access Point Protocol (LWAPP) LWAPP data (RFC 5412) |
| 12223 | | UDP | Light Weight Access Point Protocol (LWAPP) LWAPP control (RFC 5412) |
| 12345 | | | NetBus—remote administration tool (often Trojan horse). Also used by NetBuster. Little Fighter 2 (TCP). |
| 12489 | TCP | | NSClient/NSClient++/NC_Net (Nagios) |
| 12975 | TCP | | LogMeIn Hamachi (VPN tunnel software; also port 32976)—used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use SSL (port 32976 fail to connect |
| 12998–12999 | | UDP | Takenaka RDI (http://www.takenaka.co.jp/) Mirror World on SecondLife ^{[<i>citation needed</i>]} |
| 13000–13050 | | UDP | Linden Lab (http://wiki.secondlife.com/wiki/Authentication_Flow) viewer to sim on SecondLife ^{[<i>citation needed</i>]} |
| 13008 | TCP | UDP | Cross Fire, a multiplayer online First Person Shooter ^{[<i>citation needed</i>]} |
| 13075 | TCP | | Default ^{[107]} for BMC Software Control-M/Enterprise Manager Corba communication, though often changed during installation |
| 13195–13196 | TCP | UDP | Ontolux Ontolux 2D |
| 13337–13340 | TCP | UDP | ÆtherNet peer-to-peer networking ^{[<i>citation needed</i>]} |

| Port | TCP | UDP | Description |
|-------|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13720 | TCP | UDP | Symantec NetBackup—bprd (formerly VERITAS) |
| 13721 | TCP | UDP | Symantec NetBackup—bpdbm (formerly VERITAS) |
| 13724 | TCP | UDP | Symantec Network Utility—vnetd (formerly VERITAS) |
| 13782 | TCP | UDP | Symantec NetBackup—bpcd (formerly VERITAS) |
| 13783 | TCP | UDP | Symantec VOPIED protocol (formerly VERITAS) |
| 13785 | TCP | UDP | Symantec NetBackup Database—nbdb (formerly VERITAS) |
| 13786 | TCP | UDP | Symantec nomdb (formerly VERITAS) |
| 14439 | TCP | | APRS UI-View Amateur Radio ^[108] UI-WebServer |
| 14567 | | UDP | Battlefield 1942 and mods |
| 14900 | TCP | | K3 SYSPRO (http://www.k3syspro.com/) K3 Framework WCF Backbone ^[citation needed] |
| 15000 | TCP | | psyBNC |
| 15000 | TCP | | Wesnoth |
| 15000 | TCP | | Kaspersky Network Agent ^[citation needed] |
| 15000 | TCP | | hydap, Hypack Hydrographic Software Packages Data Acquisition |
| 15000 | | UDP | hydap, Hypack Hydrographic Software Packages Data Acquisition |
| 15556 | TCP | UDP | Jeex.EU Artesia (direct client-to-db.service) |
| 15567 | | UDP | Battlefield Vietnam and mods |
| 15345 | TCP | UDP | XPilot Contact |
| 16000 | TCP | | shroudBNC |
| 16080 | TCP | | Mac OS X Server Web (HTTP) service with performance cache ^[109] |
| 16200 | TCP | | Oracle Universal Content Management Content Server |
| 16250 | TCP | | Oracle Universal Content Management Inbound Refinery |
| 16384 | | UDP | Iron Mountain Digital online backup ^[citation needed] |
| 16567 | | UDP | Battlefield 2 and mods |
| 17500 | TCP | UDP | Dropbox LanSync Protocol (db-lsp); used to synchronize file catalogs between Dropbox clients on your local network. |
| 18010 | TCP | | Super Dancer Online Extreme(SDO-X)—CiB Net Station Malaysia Server ^[citation needed] |
| 18104 | TCP | | RAD PDF Service |
| 18180 | TCP | | DART Reporting server ^[citation needed] |
| 18200 | TCP | UDP | Audition Online Dance Battle, AsiaSoft Thailand Server—Status/Version Check |
| 18201 | TCP | UDP | Audition Online Dance Battle, AsiaSoft Thailand Server |
| 18206 | TCP | UDP | Audition Online Dance Battle, AsiaSoft Thailand Server—FAM Database |
| 18300 | TCP | UDP | Audition Online Dance Battle, AsiaSoft SEA Server—Status/Version Check |
| 18301 | TCP | UDP | Audition Online Dance Battle, AsiaSoft SEA Server |
| 18306 | TCP | UDP | Audition Online Dance Battle, AsiaSoft SEA Server—FAM Database |
| 18333 | TCP | | Bitcoin testnet ^[96] |
| 18400 | TCP | UDP | Audition Online Dance Battle, KAIZEN Brazil Server—Status/Version Check |
| 18401 | TCP | UDP | Audition Online Dance Battle, KAIZEN Brazil Server |
| 18505 | TCP | UDP | Audition Online Dance Battle R4p3 Server, Nexon Server—Status/Version Check |
| 18506 | TCP | UDP | Audition Online Dance Battle, Nexon Server |
| 18605 | TCP | UDP | X-BEAT—Status/Version Check |
| 18606 | TCP | UDP | X-BEAT |
| 19000 | TCP | UDP | Audition Online Dance Battle, G10/alaplaya Server—Status/Version Check |
| 19000 | | UDP | JACK sound server |
| 19001 | TCP | UDP | Audition Online Dance Battle, G10/alaplaya Server |
| 19150 | TCP | UDP | Gkrellm Server |
| 19226 | TCP | | Panda Software AdminSecure Communication Agent |
| 19283 | TCP | UDP | K2 - KeyAuditor & KeyServer, Sassafras Software Inc. (http://www.sassafras.com/) Software Asset Management tools |
| 19294 | TCP | | Google Talk Voice and Video connections ^[110] |
| 19295 | | UDP | Google Talk Voice and Video connections ^[110] |
| 19302 | | UDP | Google Talk Voice and Video connections ^[110] |
| 19315 | TCP | UDP | KeyShadow for K2 - KeyAuditor & KeyServer, Sassafras Software Inc. (http://www.sassafras.com/) Software Asset Management tools |
| 19540 | TCP | UDP | Belkin Network USB Hub ^[citation needed] |
| 19638 | TCP | | Ensim Control Panel ^[citation needed] |
| 19812 | TCP | | 4D database SQL Communication ^[citation needed] |
| 19813 | TCP | | 4D database Client Server Communication ^[citation needed] |
| 19814 | TCP | | 4D database DB4D Communication ^[citation needed] |
| 19999 | | | DNP - Secure (Distributed Network Protocol - Secure), a secure version of the protocol used in SCADA systems between communicating RT |
| 20000 | | | DNP (Distributed Network Protocol), a protocol used in SCADA systems between communicating RTU's and IED's |
| 20000 | | | Usermin, Web-based user tool |

| Port | TCP | UDP | Description |
|-------------|-----|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 20014 | TCP | | DART Reporting server ^{[<i>citation needed</i>]} |
| 20560 | TCP | UDP | Killing Floor |
| 20702 | TCP | | Precise TPM (http://www.precise.com) Listener Agent |
| 20720 | TCP | | Symantec i3 Web GUI server |
| 20790 | TCP | | Precise TPM (http://www.precise.com) Web GUI server |
| 21001 | TCP | | AMLFILTER, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-admin default port |
| 21011 | TCP | | AMLFILTER, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-engine-01 default http port |
| 21012 | TCP | | AMLFILTER, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-engine-01 default https port |
| 21021 | TCP | | AMLFILTER, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-engine-02 default http port |
| 21022 | TCP | | AMLFILTER, AMLFilter Inc. (http://sourceforge.net/projects/amlfilter/) amlf-engine-02 default https port |
| 22136 | TCP | | FLIR Systems (http://www.flir.com/) Camera Resource Protocol |
| 22222 | TCP | | Davis Instruments, WeatherLink IP (http://davisnet.com/weather/products/weather_product.asp?pnum=06555) |
| 22347 | TCP | UDP | WibuKey, WIBU-SYSTEMS AG (http://wibu.com/wibukey.php) Software protection system |
| 22349 | TCP | | Wolfson Microelectronics WISCEBridge Debug Protocol ^{[111]} |
| 22350 | TCP | UDP | CodeMeter, WIBU-SYSTEMS AG (http://wibu.com/codemeter.php) Software protection system |
| 23073 | | | Soldat Dedicated Server |
| 23399 | | | Skype Default Protocol |
| 23513 | | | Duke Nukem 3D#Source code Duke Nukem Ports |
| 24444 | | | NetBeans integrated development environment |
| 24465 | TCP | UDP | Tonido Directory Server for Tonido (http://www.tonido.com) which is a Personal Web App and P2P platform |
| 24554 | TCP | UDP | BINKP, Fidonet mail transfers over TCP/IP |
| 24800 | | | Synergy: keyboard/mouse sharing software |
| 24842 | | | StepMania: Online: <i>Dance Dance Revolution</i> Simulator |
| 25000 | TCP | | Teamware Office standard client connection |
| 25003 | TCP | | Teamware Office client notifier |
| 25005 | TCP | | Teamware Office message transfer |
| 25007 | TCP | | Teamware Office MIME Connector |
| 25010 | TCP | | Teamware Office Agent server |
| 25560 | TCP | | codeheart.js Relay Server |
| 25565 | TCP | | Standard Minecraft (Dedicated) Server |
| 25565 | | | MySQL Standard MySQL port |
| 25570 | | | Manic Digger default single player port |
| 25826 | | UDP | collectd default port ^{[112]} |
| 25888 | | UDP | Xfire (Firewall Report, UDP_IN) IP Address (206.220.40.146) resolves to gameservertracking.xfire.com. Use unknown. |
| 25999 | TCP | | Xfire |
| 26000 | | UDP | id Software's <i>Quake</i> server |
| 26000 | TCP | | id Software's <i>Quake</i> server |
| 26000 | TCP | | CCP's EVE Online Online gaming MMORPG |
| 26850 | TCP | | War of No Return Server Port ^{[<i>citation needed</i>]} |
| 26900 | TCP | | CCP's EVE Online Online gaming MMORPG |
| 26901 | TCP | | CCP's EVE Online Online gaming MMORPG |
| 27000-27030 | | UDP | Steam Client |
| 27000 | | UDP | (through 27006) id Software's <i>QuakeWorld</i> master server |
| 27000-27009 | TCP | | FlexNet Publisher's License server (from the range of default ports) |
| 27010 | | | Source engine dedicated server port |
| 27014-27050 | TCP | | Steam Downloads |
| 27014 | | | Source engine dedicated server port (rare) |
| 27015 | | | GoldSrc and Source engine dedicated server port |
| 27016 | | | Magicka server port |
| 27017 | | | mongoDB server port |
| 27374 | | | Sub7 default. |
| 27500-27900 | | UDP | id Software's <i>QuakeWorld</i> |
| 27888 | | UDP | Kaillera server |
| 27900-27901 | | | Nintendo Wi-Fi Connection |
| 27901-27910 | | UDP | id Software's <i>Quake II</i> master server |
| 27950 | | UDP | OpenArena outgoing |
| 27960-27969 | | UDP | Activision's <i>Enemy Territory</i> and id Software's <i>Quake III Arena</i> , <i>Quake III</i> and <i>Quake Live</i> and some ioquake3 derived games (OpenArena in |

| Port | TCP | UDP | Description |
|-------------|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 28000 | | | Bitfighter Common/default Bitfighter Server |
| 28001 | | | Starsiege: Tribes Common/default Tribes v.1 Server |
| 28395 | TCP | | www.SmartSystemsLLC.com Used by Smart Sale 5.0 ^[<i>citation needed</i>] |
| 28785 | | UDP | Cube 2 Sauerbraten ^[113] |
| 28786 | | UDP | Cube 2 Sauerbraten Port 2 ^[113] |
| 28852 | TCP | UDP | Killing Floor |
| 28910 | | | Nintendo Wi-Fi Connection ^[114] |
| 28960 | | UDP | <i>Call of Duty</i> ; <i>Call of Duty: United Offensive</i> ; <i>Call of Duty 2</i> ; <i>Call of Duty 4: Modern Warfare</i> ; <i>Call of Duty: World at War</i> (PC Version) |
| 29000 | | | Perfect World International Used by the Perfect World International Client |
| 29070 | TCP | UDP | Game titled "Jedi Knight: Jedi Academy" by Ravensoft |
| 29292 | TCP | | TMO Integration Service Communications Port, Used by Transaction Manager SaaS (HighJump Software) ^[<i>citation needed</i>] |
| 29900-29901 | | | Nintendo Wi-Fi Connection ^[114] |
| 29920 | | | Nintendo Wi-Fi Connection ^[114] |
| 30000 | | | Pokémon Netbattle |
| 30301 | | | BitTorrent |
| 30564 | TCP | | Multiplicity: keyboard/mouse/clipboard sharing software |
| 30718 | | UDP | Lantronix Discovery for Lantronix serial-to-ethernet devices |
| 30777 | TCP | | ZangZing agent |
| 31314 | TCP | | electric imp node↔server communication (TLS) |
| 31337 | TCP | | Back Orifice—remote administration tool (often Trojan horse) |
| 31415 | | | ThoughtSignal—Server Communication Service (often Informational) |
| 31456 | TCP | | TetriNET IRC gateway on some servers |
| 31457 | TCP | | TetriNET |
| 31458 | TCP | | TetriNET Used for game spectators |
| 31620 | TCP | UDP | LM-MON (Standard Floating License Manager LM-MON) |
| 32123 | TCP | | x3Lobby Used by x3Lobby, an internet application. |
| 32137 | TCP | UDP | Immunet Protect (UDP in version 2.0, ^[115] TCP since version 3.0 ^[116]) |
| 32245 | TCP | | MMTSG-mutualed over MMT (encrypted transmission) |
| 32769 | TCP | | FileNet RPC |
| 32887 | TCP | | Used by "Ace of Spades" game |
| 32976 | TCP | | LogMeIn Hamachi (VPN tunnel software; also port 12975)—used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use SSL if 32976 fail to connect |
| 33434 | TCP | UDP | traceroute |
| 33982 | TCP | UDP | Dezta software |
| 34443 | | | Linksys PSUS4 print server ^[<i>citation needed</i>] |
| 34567 | TCP | | EDI service ^[117] |
| 36330 | TCP | | Folding@home v7 default for client control interface |
| 36963 | | UDP | Any of the USGN online games, most notably Counter Strike 2D multiplayer (2D clone of popular CounterStrike computer game) |
| 37659 | TCP | | Axence nVision ^[<i>citation needed</i>] |
| 37777 | TCP | | Digital Video Recorder hardware ^[<i>citation needed</i>] |
| 40000 | TCP | UDP | SafetyNET p Real-time Industrial Ethernet protocol |
| 40123 | | UDP | Flatcast ^[118] |
| 41823 | TCP | UDP | Murealm Client ^[<i>citation needed</i>] |
| 43047 | TCP | | TheòsMessenger second port for service TheòsMessenger ^[<i>citation needed</i>] |
| 43034 | TCP | UDP | LarmX.com™ database update mtr port ^[<i>citation needed</i>] |
| 43048 | TCP | | TheòsMessenger third port for service TheòsMessenger ^[<i>citation needed</i>] |
| 43594 | TCP | | RuneScape, FunOrb, Runescape Private Servers game servers |
| 43595 | TCP | | RuneScape JAGGRAB servers |
| 45824 | TCP | | Server for the DAI family of client-server products ^[<i>citation needed</i>] |
| 47001 | TCP | | WinRM - Windows Remote Management Service ^[119] |
| 47808 | TCP | UDP | BACnet Building Automation and Control Networks (47808 ₁₀ = BAC0 ₁₆) |
| 49151 | TCP | UDP | Reserved ^[1] |
| 44405 | TCP | | Mu Online Connect Server |
| 55901 | TCP | | Mu Online Game Server |

Dynamic, private or ephemeral ports

The range 49152–65535 (2¹⁵+2¹⁴ to 2¹⁶-1) - above the registered ports - contains dynamic or private ports that cannot be registered with IANA.^[120] This range is used for custom or temporary purposes and for automatic allocation of ephemeral ports.

See also

- Internet Protocol Suite

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- ↑ *^{*a b*}* RFC 3920, Extensible Messaging and Presence Protocol (XMPP): Core (http://tools.ietf.org/html/rfc3920)
- ↑ *^{*a b*}* RFC 6120, Extensible Messaging and Presence Protocol (XMPP): Core (http://tools.ietf.org/html/rfc6120)
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- ↑ pcAnywhere IP port usage (http://service1.symantec.com/SUPPORT/pca.nsf/pfdocs/1998122810210812)
- ↑ How to change the IP ports that pcAnywhere uses (http://service1.symantec.com/SUPPORT/pca.nsf/pfdocs/2001021417112312)
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- ↑ prd Technologies Ltd Billing & Rating Solutions (http://www.p-rd.com/downloads/PRD%20-%20history%20and%20introduction.pdf)
- ↑ Datalogger Support Software (http://www.campbellsci.com/datalogger-software)
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- ↑ WebClientAuthenticatedSessionIDs - FAHClient (http://fah.stanford.edu/projects/FAHClient/wiki/WebClientAuthenticatedSessionIDs)
- ↑ ISL Online (http://www.islonline.com/)
- ↑ Smartlaunch 4.1 Cyber Cafe Management Software Product Overview (http://www.smartlaunch.net/Download/Smartlaunch_Product_Overview.pdf)
- ↑ [5] (http://www.ysflight.com/)

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97. ^ ^{a b} <http://www.wavestore.com/knowledge-base>
98. ^ Apache Solr Tutorial (http://lucene.apache.org/solr/4_1_0/tutorial.html)
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100. ^ <http://manuals.playstation.net/document/en/ps3/current/remoteplay/remoteteinternet.htm>
101. ^ http://manuals.playstation.net/document/en/psvita/cm/wifi_pc.html
102. ^ Lantronix Discontinued Products / No Longer Supported (<http://www.lantronix.com/support/discontinued.html>)
103. ^ Lantronix UDS-10 UDS100 User Guide (http://www.lantronix.com/pdf/UDS10-UDS100_UG.pdf)
104. ^ Manual pages - F-PROT Antivirus Support - Unix (http://www.f-prot.com/support/unix/unix_manpages/fpscand.8.html)
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106. ^ Starting and Configuring the ElevateDB Server (http://www.elevatesoft.com/manual?action=viewtopic&id=edb2sql&topic=Starting_Configuring_Server)
107. ^ Scheduler-Usage: Forums: Controlm-M Usage Forum Index -> Control-M Enterprise Manager (<http://www.scheduler-usage.com/modules.php?name=Forums&file=viewtopic&t=1229>)
108. ^ Automatic Packet Reporting System 'APRS Wiki'
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110. ^ ^{a b c} *How do I allow my internal XMPP client or server to connect to the Talk service?* (<http://code.google.com/support/bin/answer.py?hl=en&answer=62464>), Google Code Help, accessed December 15, 2010.
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112. ^ http://collectd.org/wiki/index.php/Networking_introduction
113. ^ ^{a b} <http://sauerbraten.org/docs/config.html>
114. ^ ^{a b c} http://www.nintendo.com/consumer/wfc/en_na/ds/firewall.jsp Nintendo Customer Service - Nintendo Wi-Fi Connection Help
115. ^ Immunet Protect 2.0 Requirements & Compatible Security Package List : Immunet Support Site (http://support.immunet.com/tiki-read_article.php?articleId=4)
116. ^ Manually Configure Ports In Your Firewall - FAQ - Immunet Forum (<http://forum.immunet.com/index.php?topic/1849-manually-configure-ports-in-your-firewall/>)
117. ^ <http://www.dhanalakshmi.org>
118. ^ <http://www.flatcast.com/FcForum.aspx?forum=4567>
119. ^ <http://msdn.microsoft.com/en-us/library/aa384424%28VS.85%29.aspx>
120. ^ *Internet Assigned Numbers Authority (IANA) Procedures for the Management of the Service Name and Transport Protocol Port Number Registry* (<https://tools.ietf.org/html/rfc6335>). IETF. August 2011. RFC 6335. <https://tools.ietf.org/html/rfc6335>.

External links

- Official website (<https://www.iana.org/assignments/service-names-port-numbers/service-names-port-numbers.txt>)
- User-updateable list of standard/nonstandard TCP/IP Ports and related information (<http://www.portsdb.org.uk>)
- 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.msp>)
- Known TCP/UDP ports used by Apple software (<http://docs.info.apple.com/article.html?artnum=106439>)
- 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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