

# List of TCP and UDP port numbers

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This is a list of Internet socket port numbers used by protocols of the Transport Layer of the Internet Protocol Suite for the establishment of host-to-host 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.<sup>[1]</sup> However, many unofficial uses of both well-known and registered port numbers occur in practice.

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## Table legend

Use	Description	Color
Official	Port is registered with IANA for the application <sup>[1]</sup>	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.



<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>	<b>Status</b>
0		UDP	Reserved	Official
1	TCP	UDP	TCP Port Service Multiplexer (TCPMUX)	Official
2	TCP	UDP	CompressNET <sup>[2]</sup> Management Utility <sup>[3]</sup>	Official
3	TCP	UDP	CompressNET <sup>[2]</sup> Compression Process <sup>[4]</sup>	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 (systat service) <sup>[5][6]</sup>	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 <sup>[5]</sup>	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 <sup>[7]</sup> (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 <sup>[7]</sup>	Official
49	TCP	UDP	TACACS Login Host protocol	Official
50	TCP	UDP	Remote Mail Checking Protocol <sup>[8]</sup>	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) <sup>[9]</sup>	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, <sup>[11]</sup> 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 <sup>[12]</sup> protocol	Official
108	TCP	UDP	SNA Gateway Access Server <sup>[1]</sup>	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, <sup>[13]</sup> used by IRC servers to identify users	Official
113		UDP	Authentication Service <sup>[13]</sup> (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, <sup>[14]</sup> 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) <sup>[15]</sup>	Official
153	TCP	UDP	SGMP, Simple Gateway Monitoring Protocol	Official
156	TCP	UDP	SQL Service	Official
158	TCP	UDP	DMSP, Distributed Mail Service Protocol <sup>[16]</sup>	Unofficial
161		UDP	Simple Network Management Protocol (SNMP)	Official
162	TCP	UDP	Simple Network Management Protocol Trap (SNMPTRAP) <sup>[17]</sup>	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 <sup>[18]</sup>	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 <sup>[19]</sup>	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 Rendezvous 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 <sup>[20]</sup>	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 <sup>[20]</sup>	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 <sup>[21]</sup> (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, <sup>[22]</sup> 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 <sup>[23]</sup>	Official
648	TCP		RRP (Registry Registrar Protocol) <sup>[24]</sup>	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) <sup>[25]</sup>	Official
657	TCP	UDP	IBM RMC (Remote monitoring and Control) protocol, used by System p5 AIX Integrated Virtualization Manager (IVM) <sup>[26]</sup> 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 ( <a href="http://www.aircrack-ng.org/doku.php?id=airserv-ng">http://www.aircrack-ng.org/doku.php?id=airserv-ng</a> ), 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) <sup>[27]</sup>	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)), <sup>[28]</sup> a protocol that runs between a pair of nodes and is used to manage traffic engineering (TE) links	Official
702	TCP		IRIS <sup>[29][30]</sup> (Internet Registry Information Service) over BEEP (Blocks Extensible Exchange Protocol) <sup>[31]</sup> (RFC 3983)	Official
706	TCP		Secure Internet Live Conferencing (SILC)	Official
711	TCP		Cisco Tag Distribution Protocol <sup>[32][33][34]</sup> —being replaced by the MPLS Label Distribution Protocol <sup>[35]</sup>	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) <sup>[36]</sup>	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 <sup>[37]</sup>	Unofficial
843	TCP		Adobe Flash <sup>[38]</sup>	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		cddb, 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) RNDC 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) <sup>[40]</sup>	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 <sup>[1]</sup>	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.<sup>[1]</sup> 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 <sup>[1]</sup>
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	rmiactivation, RMI Activation
1099	TCP	UDP	rmiregistry, RMI Registry
1109	TCP	UDP	Reserved <sup>[1]</sup>
1109	TCP		Kerberos Post Office Protocol (KPOP)
1110		UDP	EasyBits ( <a href="http://www.easybits.com">http://www.easybits.com</a> ) School network discovery protocol (for Intel's CMPC platform)
1119	TCP	UDP	Used by some Blizzard games <sup>[41]</sup>
1140	TCP	UDP	AutoNOC ( <a href="http://www.autonoc.com/">http://www.autonoc.com/</a> ) protocol
1167		UDP	phone, conference calling
1169	TCP	UDP	Tripwire
1176	TCP		Perceptive Automation ( <a href="http://www.perceptiveautomation.com/corp/overview.html">http://www.perceptiveautomation.com/corp/overview.html</a> ) Indigo ( <a href="http://www.perceptiveautomation.com/indigo/">http://www.perceptiveautomation.com/indigo/</a> ) F
1182	TCP	UDP	AcceleNet ( <a href="http://www.accelenet.com/products-technology.htm">http://www.accelenet.com/products-technology.htm</a> ) Intelligent Transfer Protocol ( <a href="http://www.accelenet.com/support-technical-li">http://www.accelenet.com/support-technical-li</a>
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 <sup>[42]</sup>
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 ( <a href="http://www.vocaltec.com/">http://www.vocaltec.com/</a> ) 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) <sup>[citation needed]</sup>
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 <sup>[43]</sup> (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) ( <a href="http://www.groggs.group.cam.ac.uk/protocol.txt">http://www.groggs.group.cam.ac.uk/protocol.txt</a> ), used to access a General-purpose Reverse-Ordnance (GROGGS ( <a href="http://www.groggs.group.cam.ac.uk/">http://www.groggs.group.cam.ac.uk/</a> )) 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 <sup>[44]</sup>
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 <sup>[45]</sup>
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) <sup>[citation needed]</sup>
1627			iSketch <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
1701		UDP	Layer 2 Forwarding Protocol (L2F) & Layer 2 Tunneling Protocol (L2TP)
1707	TCP	UDP	Windward Studios
1707		TCP	Romtoc 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: <a href="http://www.iana.org/assignments/service-names-port-numbers/service-names">Http://www.iana.org/assignments/service-names-port-numbers/service-names</a>
1792	TCP	UDP	Moby <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
1970	TCP	UDP	Netop Business Solutions ( <a href="http://www.netop.com">http://www.netop.com</a> ) Netop Remote Control
1971	TCP	UDP	Netop Business Solutions ( <a href="http://www.netop.com">http://www.netop.com</a> ) Netop School
1972	TCP	UDP	InterSystems Caché
1975 -1977		UDP	Cisco TCO (Documentation ( <a href="http://www.cisco.com/en/US/netsol/networking_solutions_networking_basic09186a00800a3524.html">http://www.cisco.com/en/US/netsol/networking_solutions_networking_basic09186a00800a3524.html</a> ))
1984	TCP		Big Brother ( <a href="http://bb4.com">http://bb4.com</a> ) 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 <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
2010	TCP		Artemis: Spaceship Bridge Simulator default port
2012	TCP		Remoticus ( <a href="http://remoticus.com">http://remoticus.com</a> ) Server
2013	TCP		Remoticus ( <a href="http://remoticus.com">http://remoticus.com</a> ) Server Hooks
2030			Oracle services for Microsoft Transaction Server
2031	TCP	UDP	mobrien-chat( <a href="http://chat.mobrien.com">http://chat.mobrien.com</a> :2031)
2041	TCP		Mail.Ru Agent communication protocol [ <a href="#">citation needed</a> ]
2049	TCP	UDP	Network File System
2049		UDP	shlp
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 [ <a href="#">citation needed</a> ]
2144	TCP		Iron Mountain LiveVault Agent [ <a href="#">citation needed</a> ]
2145	TCP		Iron Mountain LiveVault Agent [ <a href="#">citation needed</a> ]
2156		UDP	Talari Reliable Protocol
2160	TCP		APC Agent
2161	TCP		APC Agent
2181	TCP	UDP	EForward-document transport system
2190		UDP	TiVoConnect Beacon [ <a href="#">citation needed</a> ]
2195	TCP		Apple Push Notification service Link ( <a href="http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWIth">http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWIth</a> )
2196	TCP		Apple Push Notification - Feedback Link ( <a href="http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWIth">http://developer.apple.com/library/ios/#DOCUMENTATION/NetworkingInternet/Conceptual/RemoteNotificationsPG/CommunicatingWIth</a> )
2200		UDP	Tuxanci game server [ <a href="#">[46]</a> ]
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 [ <a href="#">citation needed</a> ]
2261	TCP	UDP	CoMotion Master
2262	TCP	UDP	CoMotion Backup
2301	TCP		HP System Management Redirect to port 2381 [ <a href="#">citation needed</a> ]
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> )

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
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		THEOSMESSENGER listening for TheosMessenger client connections
2501	TCP		TheosNet-Admin listening for TheosMessenger 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 <sup>[44]</sup>
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 <sup>[48]</sup>
3001	TCP		Miralix Phone Monitor[citation needed]
3001	TCP		Opsware 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]

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
3008	TCP		Miralix Proxy <sup>[citation needed]</sup>
3017	TCP		Miralix IVR and Voicemail <sup>[citation needed]</sup>
3025	TCP		netpd.org <sup>[citation needed]</sup>
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 <sup>[1]</sup>
3074	TCP	UDP	NAT / Xbox LIVE and/or Games for Windows - LIVE
3100	TCP		SMAUSA OpCon Scheduler as the default listen port <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
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 <sup>[49]</sup>
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 ( <a href="http://support.microsoft.com/kb/306759">http://support.microsoft.com/kb/306759</a> )
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 <sup>[50]</sup>
3478	TCP	UDP	TURN, a protocol for NAT traversal <sup>[51]</sup>
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 <sup>[52]</sup>
3537	TCP	UDP	ni-visa-remote <sup>[citation needed]</sup>
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 <sup>[41]</sup>
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 <sup>[citation needed]</sup>
3825	TCP		Used by RedSeal Networks client/server connection <sup>[citation needed]</sup>
3826	TCP	UDP	WarMUX game server
3826	TCP		Used by RedSeal Networks client/server connection <sup>[citation needed]</sup>

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
3835	TCP		Used by RedSeal Networks client/server connection <sup>[citation needed]</sup>
3880	TCP	UDP	IGRS
3868	TCP	SCTP	Diameter base protocol (RFC 3588)
3872	TCP		Oracle Management Remote Agent <sup>[citation needed]</sup>
3899	TCP		Remote Administrator
3900	TCP		udt_os, IBM UniData UDT OS <sup>[53]</sup>
3945	TCP	UDP	EMCADS service, a Giritech ( <a href="http://www.giritech.com/">http://www.giritech.com/</a> ) 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 <sup>[citation needed]</sup>
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 <sup>[54]</sup>
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 <sup>[citation needed]</sup>
4242	TCP		Reverse Battle Tetris
4242	TCP		Orthanc - Default DICOM port
4321	TCP		Referral Whois (RWhois) Protocol <sup>[55]</sup>
4323		UDP	Lincoln Electric's ArcLink/XT <sup>[citation needed]</sup>
4433-4436	TCP		Axence nVision <sup>[56]</sup>
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 <sup>[57]</sup>
4664	TCP		Google Desktop Search
4665	TCP		Tardis Beacon Time-virus
4672		UDP	Default for older versions of eMule <sup>[57]</sup>
4711	TCP		eMule optional web interface <sup>[57]</sup>
4711	TCP		McAfee Web Gateway 7 - Default GUI Port HTTP <sup>[citation needed]</sup>
4712	TCP		McAfee Web Gateway 7 - Default GUI Port HTTPS <sup>[citation needed]</sup>
4713	TCP		PulseAudio sound server
4728	TCP		Computer Associates Desktop and Server Management (DMP)/Port Multiplexer <sup>[58]</sup>
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)

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
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, Quadriion 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) <sup>[citation needed]</sup>
4993	TCP	UDP	Home FTP Server web Interface Default Port <sup>[citation needed]</sup>
5000	TCP		commplex-main
5000	TCP		UPnP—Windows network device interoperability
5000	TCP	UDP	VTun—VPN Software
5000		UDP	FlightGear multiplayer <sup>[59]</sup>
5000	TCP		Synology Inc. Management Console, File Station, Audio Station
5001	TCP		commplex-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 <sup>[60]</sup>
5002		UDP	Drobo Dashboard <sup>[61]</sup>
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) <sup>[62]</sup> The TCP port is now used for: IBM WebSphere MQ Workflow
5011	TCP	UDP	TelePath (the IBM FlowMark workflow-management system messaging platform) <sup>[62]</sup>
5029	TCP		Sonic Robo Blast 2 ( <a href="http://www.srb2.org/">http://www.srb2.org/</a> ) : Multiplayer <sup>[63]</sup>
5031	TCP	UDP	AVM CAPI-over-TCP (ISDN over Ethernet tunneling) <sup>[citation needed]</sup>
5037	TCP		Android ADB server
5050	TCP		Yahoo! Messenger
5051	TCP		ita-agent Symantec Intruder Alert <sup>[64]</sup>
5060	TCP	UDP	Session Initiation Protocol (SIP)
5061	TCP		Session Initiation Protocol (SIP) over TLS
5070	TCP		Binary Floor Control Protocol (BFCP), <sup>[65]</sup> 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 T 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 <sup>[66]</sup> HTTP Service
5106	TCP		A-Talk Common connection <sup>[citation needed]</sup>
5107	TCP		A-Talk Remote server connection <sup>[citation needed]</sup>
5108	TCP		VPOP3 Mail Server Webmail <sup>[citation needed]</sup>
5109	TCP	UDP	VPOP3 Mail Server Status <sup>[citation needed]</sup>
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 <sup>[67]</sup>
5150	TCP	UDP	Malware Cerberus RAT <sup>[citation needed]</sup>
5151	TCP		ESRI SDE Instance
5151		UDP	ESRI SDE Remote Start
5154	TCP	UDP	BZFlag
5176	TCP		ConsoleWorks default UI interface <sup>[citation needed]</sup>
5190	TCP		ICQ and AOL Instant Messenger

Port	TCP	UDP	Description
5222	TCP		Extensible Messaging and Presence Protocol (XMPP) client connection <sup>[68][69]</sup>
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 <sup>[70]</sup>
5247		UDP	Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP data <sup>[70]</sup>
5269	TCP		Extensible Messaging and Presence Protocol (XMPP) server connection <sup>[68][69]</sup>
5280	TCP		Extensible Messaging and Presence Protocol (XMPP) XEP-0124: Bidirectional-streams Over Synchronous HTTP (BOSH) ( <a href="http://xmpp.org/">http://xmpp.org/</a> )
5281	TCP		Undo License Manager
5281	TCP		Extensible Messaging and Presence Protocol (XMPP) <sup>[71]</sup>
5298	TCP	UDP	Extensible Messaging and Presence Protocol (XMPP) <sup>[72]</sup>
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 <sup>[citation needed]</sup>
5311	TCP	UDP	Ginever.net data communication port <sup>[citation needed]</sup>
5312	TCP	UDP	Ginever.net data communication port <sup>[citation needed]</sup>
5313	TCP	UDP	Ginever.net data communication port <sup>[citation needed]</sup>
5314	TCP	UDP	Ginever.net data communication port <sup>[citation needed]</sup>
5315	TCP	UDP	Ginever.net data communication port <sup>[citation needed]</sup>
5349	TCP		STUN, a protocol for NAT traversal (UDP is reserved) <sup>[50]</sup>
5349	TCP		TURN, a protocol for NAT traversal (UDP is reserved) <sup>[51]</sup>
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 Windows Vista, Windows 7 and Server 2008)
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 <sup>[73][74]</sup>
5402	TCP	UDP	mftp, Stratocache OmniCast ( <a href="http://stratocache.com/1!_omnicast.html">http://stratocache.com/1!_omnicast.html</a> ) 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 <sup>[75]</sup>
5445		UDP	Cisco Unified Video Advantage <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
5631	TCP		pcANYWHEREdata, Symantec pcAnywhere (version 7.52 and later <sup>[76]</sup> ) <sup>[77]</sup> 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 <sup>[citation needed]</sup>
5723	TCP		Operations Manager <sup>[78]</sup>
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) <sup>[citation needed]</sup>
5850	TCP		COMIT SE (PCR) <sup>[citation needed]</sup>

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
5852	TCP		Adeona client: communications to OpenDHT <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
5938	TCP	UDP	TeamViewer remote desktop protocol
5984	TCP	UDP	CouchDB database server
5999	TCP		CVSup file update tool <sup>[79]</sup>
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 <sup>[citation needed]</sup>
6051	TCP		Arcserve backup
6072	TCP		iOperator Protocol Signal Port <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
6110	TCP	UDP	softcm, HP Softbench CM
6111	TCP	UDP	spc, HP Softbench Sub-Process Control
6112		UDP	"dtspcd"—a network daemon that accepts requests from clients to execute commands and launch applications remotely
6112	TCP		"dtspcd"—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, <sup>[41]</sup> 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 <sup>[41]</sup>
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 ( <a href="http://www.hallresearch.com">http://www.hallresearch.com</a> ) 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 <sup>[citation needed]</sup>
6514	TCP		Syslog over TLS <sup>[80]</sup>
6515	TCP	UDP	Elipse RPC Protocol (REC)
6522	TCP		Gobby (and other liblobby-based software)
6523	TCP		Gobby 0.5 (and other libinfinity-based software)
6543		UDP	Paradigm Research & Development ( <a href="http://www.p-rd.com/index.html">http://www.p-rd.com/index.html</a> ) Jetnet <sup>[81]</sup> 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-ftp, Odette File Transfer Protocol (OFTP) over TLS/SSL
6646		UDP	McAfee Network Agent <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
6715	TCP		AberMUD and derivatives default port
6771		UDP	Polycom server broadcast <sup>[citation needed]</sup>
6789	TCP		Campbell Scientific Loggernet Software <sup>[82]</sup>
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) <sup>[83]</sup>
7022	TCP		Database mirroring endpoints <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
7145	TCP		Peercast <sup>[citation needed]</sup>
7171	TCP		Tibia
7306	TCP		Zimbra mysql [mailbox] <sup>[citation needed]</sup>
7307	TCP		Zimbra mysql [logger] <sup>[citation needed]</sup>
7312		UDP	Sibelius License Server
7396	TCP		Web control interface for Folding@home v7.3.6 and later <sup>[84]</sup>
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 <sup>[85]</sup> 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 <sup>[citation needed]</sup>
7700		UDP	P2P DC (RedHub) <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
7777	TCP		Windows backdoor program tini.exe default <sup>[citation needed]</sup>
7777	TCP		Xivio default Chat Server <sup>[citation needed]</sup>
7777	TCP		Terraria default server
7777		UDP	San Andreas Multiplayer default server
7778	TCP		Bad Trip MUD ( <a href="http://www.badtripmud.com">http://www.badtripmud.com</a> ) <sup>[citation needed]</sup>
7777-7788		UDP	Unreal Tournament series default server <sup>[citation needed]</sup>
7777-7788	TCP		Unreal Tournament series default server <sup>[citation needed]</sup>
7787-7788	TCP		GFI EventsManager 7 & 8 <sup>[citation needed]</sup>
7831	TCP		Default used by Smartlaunch Internet Cafe Administration <sup>[86]</sup> software
7880	TCP	UDP	PowerSchool Gradebook Server <sup>[citation needed]</sup>
7890	TCP		Default that will be used by the iControl Internet Cafe Suite Administration software
7915	TCP		Default for YSflight server <sup>[87]</sup>
7935	TCP		Fixed port used for Adobe Flash Debug Player to communicate with a debugger (Flash IDE, Flex Builder or fdb). <sup>[88]</sup>
7937-9936	TCP	UDP	EMC <sup>2</sup> (Legato) Networker or Sun Solstice Backup
8000		UDP	iRDMI (Intel Remote Desktop Management Interface) <sup>[89]</sup> —sometimes erroneously used instead of port 8080
8000	TCP		iRDMI (Intel Remote Desktop Management Interface) <sup>[89]</sup> —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 <sup>[90]</sup>
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 <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
8014	TCP		HTTP/TCP Symon Communications Event and Query Engine <sup>[citation needed]</sup>
8014	TCP	UDP	Perseus SDR Receiver ( <a href="http://www.microtelecom.it/perseus/">http://www.microtelecom.it/perseus/</a> ) default remote connection port <sup>[citation needed]</sup>
8020	TCP		360Works SuperContainer ( <a href="http://360works.com/supercontainer/">http://360works.com/supercontainer/</a> ) <sup>[91]</sup>
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 <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
8195	TCP		Bloomberg Application <sup>[citation needed]</sup>
8200	TCP		GoToMyPC
8222	TCP		VMware Server Management User Interface <sup>[92]</sup> (insecure Web interface). <sup>[93]</sup> See also port 8333
8243	TCP	UDP	HTTPS listener for Apache Synapse <sup>[94]</sup>
8280	TCP	UDP	HTTP listener for Apache Synapse <sup>[94]</sup>
8291	TCP		Winbox—Default on a MikroTik RouterOS for a Windows application used to administer MikroTik RouterOS <sup>[citation needed]</sup>
8303		UDP	Teeworlds Server
8331	TCP		MultiBit, [8] ( <a href="http://multibit.org">http://multibit.org</a> )
8332	TCP		Bitcoin JSON-RPC server <sup>[95]</sup>
8333	TCP		Bitcoin <sup>[96]</sup>
8333	TCP		VMware Server Management User Interface <sup>[92]</sup> (secure Web interface). <sup>[93]</sup> See also port 8222
8400	TCP	UDP	cvp, Commvault Unified Data Management
8442	TCP	UDP	CyBro A-bus, Cybrotech Ltd. ( <a href="http://www.cybrotech.co.uk">http://www.cybrotech.co.uk</a> )
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] ( <a href="http://www.dukesterx.net">http://www.dukesterx.net</a> ) DukesterX —default <sup>[citation needed]</sup>
8601	TCP		Wavestore CCTV protocol <sup>[97]</sup>
8602	TCP	UDP	Wavestore Notification protocol <sup>[97]</sup>
8642	TCP		Lotus Traveller <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
8881	TCP		Netflexity Inc QFlex - IBM WebSphere MQ monitoring software.
8882	TCP		Atlasz Informatics Research Ltd Secure Application Server <sup>[citation needed]</sup>
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 ( <a href="http://docs.sun.com/app/docs">http://docs.sun.com/app/docs</a> ))
8888	TCP		GNUmp3d HTTP music streaming and Web interface
8888	TCP		LoLo Catcher HTTP Web interface ( <a href="http://www.optiform.com">www.optiform.com</a> )
8888	TCP		D2GS Admin Console Telnet administration console for D2GS servers (Diablo 2)
8888	TCP		Earthland Relams 2 Server (AU1_2) <sup>[citation needed]</sup>
8888	TCP		MAMP Server
8889	TCP		MAMP Server
8889	TCP		Earthland Relams 2 Server (AU1_1) <sup>[citation needed]</sup>
8937	TCP		Transaction Warehouse Data Service (TWDS)
8983	TCP		Default for Apache Solr <sup>[98]</sup>
8998	TCP		I2P Monotone Repository
9000	TCP		Buffalo LinkSystem Web access <sup>[citation needed]</sup>
9000	TCP		DBGp
9000	TCP		SqueezeCenter web server & streaming
9000		UDP	UDPCast
9000	TCP		Play! Framework web server <sup>[citation needed]</sup>
9001	TCP	UDP	ETL Service Manager <sup>[99]</sup>
9001			Microsoft SharePoint authoring environment

Port	TCP	UDP	Description
9001			cisco-xremote router configuration <sup>[citation needed]</sup>
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		TISERVICE MANAGEMENT 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 <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
9199	TCP		Avtex LLC - qStats
9293	TCP		Sony PlayStation RemotePlay <sup>[100]</sup>
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 <sup>[101]</sup>
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 ( <a href="http://www.ccnx.org">http://www.ccnx.org</a> )
9800	TCP	UDP	WebDAV Source
9800			WebCT e-learning portal
9875	TCP		Club Penguin Disney online game for kids
9898		UDP	MonkeyCom <sup>[citation needed]</sup>
9898	TCP		MonkeyCom <sup>[citation needed]</sup>
9898	TCP		Tripwire—File Integrity Monitoring Software <sup>[citation needed]</sup>
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 <sup>[102]</sup> RS-485 to Ethernet Converter TELNET control

Port	TCP	UDP	Description
9999			Urchin Web Analytics <sup>[citation needed]</sup>
10000			Webmin—Web-based administration tool for Unix-like systems
10000			BackupExec
10000			Ericsson Account Manager (avim) <sup>[citation needed]</sup>
10001	TCP		Lantronix UDS-10/UDS100 <sup>[103]</sup> RS-485 to Ethernet Converter default
10008	TCP	UDP	Octopus Multiplexer, primary port for the CROMP protocol ( <a href="http://hoopple.org/hoopple/readme.txt">http://hoopple.org/hoopple/readme.txt</a> ), which provides a platform-independent me across a network
10009	TCP	UDP	Cross Fire, a multiplayer online First Person Shooter <sup>[citation needed]</sup>
10010	TCP		Open Object Rexx (ooRexx) rxapi daemon
10017			AIX,NeXT, HPUX—rexld daemon control <sup>[citation needed]</sup>
10024	TCP		Zimbra smtp [mta]—to amavis from postfix <sup>[citation needed]</sup>
10025	TCP		Zimbra smtp [mta]—back to postfix from amavis <sup>[citation needed]</sup>
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>fpscand</i> virus scanning daemon for Unix platforms <sup>[104]</sup>
10200	TCP		FRISK Software International's <i>f-protd</i> virus scanning daemon for Unix platforms <sup>[105]</sup>
10201 -10204	TCP		FRISK Software International's <i>f-protd</i> virus scanning daemon for Unix platforms <sup>[105]</sup>
10301	TCP		VoiceIP-ACS UMP default device provisioning endpoint <sup>[citation needed]</sup>
10302	TCP		VoiceIP-ACS UMP default device provisioning endpoint (SSL) <sup>[citation needed]</sup>
10308			Lock-on: Modern Air Combat <sup>[citation needed]</sup>
10480			SWAT 4 Dedicated Server <sup>[citation needed]</sup>
10823		UDP	Farming Simulator 2011 Default Server <sup>[citation needed]</sup>
10891	TCP		Jungle Disk (this port is opened by the Jungle Disk Monitor service on the localhost) <sup>[citation needed]</sup>
11001	TCP	UDP	metasys ( Johnson Controls Metasys java AC control environment ) <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
11294			Blood Quest Online Server <sup>[citation needed]</sup>
11371			OpenPGP HTTP key server
11576			IPStor Server management communication
12010	TCP		ElevateDB default database port <sup>[106]</sup>
12011	TCP		Axence nVision <sup>[56]</sup>
12012	TCP		Axence nVision <sup>[56]</sup>
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 ( <a href="http://wiki.secondlife.com/wiki/Authentication_Flow">http://wiki.secondlife.com/wiki/Authentication_Flow</a> ) viewer to sim on SecondLife <sup>[citation needed]</sup>
12201		UDP	GELF Protocol ( <a href="https://github.com/Graylog2/graylog2-docs/wiki/GELF">https://github.com/Graylog2/graylog2-docs/wiki/GELF</a> )
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 if 32976 fail to connect
12998 -12999		UDP	Takenaka RDI ( <a href="http://www.takenaka.co.jp/">http://www.takenaka.co.jp/</a> ) Mirror World on SecondLife <sup>[citation needed]</sup>
13000 -13050		UDP	Linden Lab ( <a href="http://wiki.secondlife.com/wiki/Authentication_Flow">http://wiki.secondlife.com/wiki/Authentication_Flow</a> ) viewer to sim on SecondLife <sup>[citation needed]</sup>
13008	TCP	UDP	Cross Fire, a multiplayer online First Person Shooter <sup>[citation needed]</sup>
13075	TCP		Default <sup>[107]</sup> 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 <sup>[citation needed]</sup>

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
13720	TCP	UDP	Symantec NetBackup—bpfd (formerly VERITAS)
13721	TCP	UDP	Symantec NetBackup—bpdbm (formerly VERITAS)
13724	TCP	UDP	Symantec Network Utility—vnetd (formerly VERITAS)
13782	TCP	UDP	Symantec NetBackup—bpfd (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 <sup>[108]</sup> UI-WebServer
14567		UDP	Battlefield 1942 and mods
14900	TCP		K3 SYSPRO ( <a href="http://www.k3syspro.com/">http://www.k3syspro.com/</a> ) K3 Framework WCF Backbone <sup>[citation needed]</sup>
15000	TCP		psyBNC
15000	TCP		Wesnoth
15000	TCP		Kaspersky Network Agent <sup>[citation needed]</sup>
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 <sup>[109]</sup>
16200	TCP		Oracle Universal Content Management Content Server
16250	TCP		Oracle Universal Content Management Inbound Refinery
16384		UDP	Iron Mountain Digital online backup <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
18104	TCP		RAD PDF Service
18180	TCP		DART Reporting server <sup>[citation needed]</sup>
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 <sup>[96]</sup>
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. ( <a href="http://www.sassafras.com/">http://www.sassafras.com/</a> ) Software Asset Management tools
19294	TCP		Google Talk Voice and Video connections <sup>[110]</sup>
19295		UDP	Google Talk Voice and Video connections <sup>[110]</sup>
19302		UDP	Google Talk Voice and Video connections <sup>[110]</sup>
19315	TCP	UDP	KeyShadow for K2 - KeyAuditor & KeyServer, Sassafras Software Inc. ( <a href="http://www.sassafras.com/">http://www.sassafras.com/</a> ) Software Asset Management tools
19540	TCP	UDP	Belkin Network USB Hub <sup>[citation needed]</sup>
19638	TCP		Ensim Control Panel <sup>[citation needed]</sup>
19812	TCP		4D database SQL Communication <sup>[citation needed]</sup>
19813	TCP		4D database Client Server Communication <sup>[citation needed]</sup>
19814	TCP		4D database DB4D Communication <sup>[citation needed]</sup>
19999			DNP - Secure (Distributed Network Protocol - Secure), a secure version of the protocol used in SCADA systems between communicating RTU's and IED's
20000			DNP (Distributed Network Protocol), a protocol used in SCADA systems between communicating RTU's and IED's
20000			Usermin, Web-based user tool

<b>Port</b>	<b>TCP</b>	<b>UDP</b>	<b>Description</b>
20014	TCP		DART Reporting server <sup>[citation needed]</sup>
20560	TCP	UDP	Killing Floor
20702	TCP		Precise TPM ( <a href="http://www.precise.com">http://www.precise.com</a> ) Listener Agent
20720	TCP		Symantec i3 Web GUI server
20790	TCP		Precise TPM ( <a href="http://www.precise.com">http://www.precise.com</a> ) Web GUI server
21001	TCP		AMLFILTER, AMLFilter Inc. ( <a href="http://sourceforge.net/projects/amlfILTER/">http://sourceforge.net/projects/amlfILTER/</a> ) amlf-admin default port
21011	TCP		AMLFILTER, AMLFilter Inc. ( <a href="http://sourceforge.net/projects/amlfILTER/">http://sourceforge.net/projects/amlfILTER/</a> ) amlf-engine-01 default http port
21012	TCP		AMLFILTER, AMLFilter Inc. ( <a href="http://sourceforge.net/projects/amlfILTER/">http://sourceforge.net/projects/amlfILTER/</a> ) amlf-engine-01 default https port
21021	TCP		AMLFILTER, AMLFilter Inc. ( <a href="http://sourceforge.net/projects/amlfILTER/">http://sourceforge.net/projects/amlfILTER/</a> ) amlf-engine-02 default http port
21022	TCP		AMLFILTER, AMLFilter Inc. ( <a href="http://sourceforge.net/projects/amlfILTER/">http://sourceforge.net/projects/amlfILTER/</a> ) amlf-engine-02 default https port
22136	TCP		FLIR Systems ( <a href="http://www.flir.com/">http://www.flir.com/</a> ) Camera Resource Protocol
22222	TCP		Davis Instruments, WeatherLink IP ( <a href="http://davisnet.com/weather/products/weather_product.asp?pnum=06555">http://davisnet.com/weather/products/weather_product.asp?pnum=06555</a> )
22347	TCP	UDP	WibuKey, WIBU-SYSTEMS AG ( <a href="http://wibu.com/wibuky.php">http://wibu.com/wibuky.php</a> ) Software protection system
22349	TCP		Wolfson Microelectronics WISCEBridge Debug Protocol <sup>[111]</sup>
22350	TCP	UDP	CodeMeter, WIBU-SYSTEMS AG ( <a href="http://wibu.com/codemeter.php">http://wibu.com/codemeter.php</a> ) 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 ( <a href="http://www.tonido.com">http://www.tonido.com</a> ) 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 <sup>[112]</sup>
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 <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
28785		UDP	Cube 2 Sauerbraten <sup>[113]</sup>
28786		UDP	Cube 2 Sauerbraten Port 2 <sup>[113]</sup>
28852	TCP	UDP	Killing Floor
28910			Nintendo Wi-Fi Connection <sup>[114]</sup>
28960		UDP	<i>Call of Duty; Call of Duty: United Offensive; Call of Duty 2; Call of Duty 4: Modern Warfare; 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) <sup>[citation needed]</sup>
29900-29901			Nintendo Wi-Fi Connection <sup>[114]</sup>
29920			Nintendo Wi-Fi Connection <sup>[114]</sup>
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, <sup>[115]</sup> TCP since version 3.0 <sup>[116]</sup> )
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 <sup>[citation needed]</sup>
34567	TCP		EDI service <sup>[117]</sup>
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 <sup>[citation needed]</sup>
37777	TCP		Digital Video Recorder hardware <sup>[citation needed]</sup>
40000	TCP	UDP	SafetyNET p Real-time Industrial Ethernet protocol
40123		UDP	Flatcast <sup>[118]</sup>
41823	TCP	UDP	Murealm Client <sup>[citation needed]</sup>
43047	TCP		TheòsMessenger second port for service TheòsMessenger <sup>[citation needed]</sup>
43034	TCP	UDP	LarmX.com™ database update mtr port <sup>[citation needed]</sup>
43048	TCP		TheòsMessenger third port for service TheòsMessenger <sup>[citation needed]</sup>
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 <sup>[citation needed]</sup>
47001	TCP		WinRM - Windows Remote Management Service <sup>[119]</sup>
47808	TCP	UDP	BACnet Building Automation and Control Networks (47808 <sub>10</sub> = BAC0 <sub>16</sub> )
49151	TCP	UDP	Reserved <sup>[1]</sup>
44405	TCP		Mu Online Connect Server
55901	TCP		Mu Online Game Server

## Dynamic, private or ephemeral ports

The range 49152–65535 ( $2^{15}+2^{14}$  to  $2^{16}-1$ ) - above the registered ports - contains dynamic or private ports that cannot be registered with IANA.<sup>[120]</sup> 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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## 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](http://www.bekkoame.ne.jp/~s_ita/port/port1-99.html))
- Windows TCP/IP Ephemeral, Reserved, and Blocked Port Behavior (<http://www.microsoft.com/technet/community/columns/cableguy/cg1205.mspx>)
- Known TCP/UDP ports used by Apple software (<http://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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