

# List of TCP and UDP port numbers

This is a **list of TCP and UDP port numbers** used by protocols for operation of network applications. The [Transmission Control Protocol](#) (TCP) and the [User Datagram Protocol](#) (UDP) only need one [port](#) for [duplex](#), bidirectional traffic. They usually use port numbers that match the services of the corresponding TCP or UDP implementation, if they exist.

The [Internet Assigned Numbers Authority](#) (IANA) is responsible for maintaining the official assignments of port numbers for specific uses.<sup>[1]</sup> However, many unofficial uses of both well-known and registered port numbers occur in practice. Similarly, many of the official assignments refer to protocols that were never or are no longer in common use. This article lists port numbers and their associated protocols that have experienced significant uptake.

## Table legend<sup>[edit]</sup>

**Legend of TCP and UDP protocol table cells for port numbers**

Cell	Description
Yes	Described protocol <i>is</i> assigned by IANA for this port, and <i>is</i> : standardized, specified, or widely used for such.
Unofficial	Described protocol <i>is not</i> assigned by IANA for this port, but <i>is</i> : standardized, specified, or widely used for such.
Assigned	Described protocol <i>is</i> assigned by IANA for this port, <sup>[2]</sup> but <i>is not</i> : standardized, specified, or widely used for such.
No	Described protocol <i>is not</i> : assigned by IANA for this port, standardized, specified, or widely used for such.
Reserved	Port is reserved by IANA, <sup>[2]</sup> generally to prevent collision having its previous use removed. <sup>[3][4]</sup> The port number may be available for assignment upon request to IANA. <sup>[3]</sup>

## Well-known ports<sup>[edit]</sup>

This is a [dynamic list](#) and may never be able to satisfy particular standards for completeness. You can help by [adding missing items](#) with [reliable sources](#).

The port numbers in the range from 0 to 1023 (0 to  $2^{10} - 1$ ) are the *well-known ports* or *system ports*.<sup>[3]</sup> 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.<sup>[5]</sup>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
0	Reserved				In programming APIs (not in communication between hosts), requests a system-allocated (dynamic) port <sup>[6]</sup>
1	Yes	Assigned			<a href="#">TCP Port Service Multiplexer</a> (TCPMUX). Historic. Both TCP and UDP have been assigned to TCPMUX by IANA, <sup>[2]</sup> but by design only TCP is specified. <sup>[7]</sup>
2	Assigned				compressnet (Management Utility) <sup>[3]</sup>
3	Assigned				compressnet (Compression Process) <sup>[3]</sup>
5	Assigned				<a href="#">Remote Job Entry</a> <sup>[8]</sup> was historically using socket 5 in its <a href="#">old socket form</a> , while <a href="#">MIB PIM</a> has identified it as TCP/5 <sup>[9]</sup> and IANA has assigned both TCP and UDP 5 to it.
7	Yes				<a href="#">Echo Protocol</a> <sup>[10][11]</sup>
9	Yes		Yes <sup>[12]</sup>	Assigned	<a href="#">Discard Protocol</a> <sup>[13]</sup>
	No	Unofficial			<a href="#">Wake-on-LAN</a> <sup>[14]</sup>
11	Yes				Active Users ( <a href="#">systat</a> service) <sup>[15][16]</sup>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
13	Yes				<a href="#">Daytime Protocol</a> <sup>[17]</sup>
15	Unofficial	No			Previously <a href="#">netstat</a> service <sup>[2][15]</sup>
17	Yes				<a href="#">Quote of the Day</a> (QOTD) <sup>[18]</sup>
18	Yes				<a href="#">Message Send Protocol</a> <sup>[19][20]</sup>
19	Yes				<a href="#">Character Generator Protocol</a> (CHARGEN) <sup>[21]</sup>
20	Yes	Assigned	Yes <sup>[12]</sup>		<a href="#">File Transfer Protocol</a> (FTP) data transfer <sup>[11]</sup>
21	Yes	Assigned	Yes <sup>[12]</sup>		File Transfer Protocol (FTP) control (command) <sup>[1][11][12][22][23]</sup>
22	Yes	Assigned	Yes <sup>[12]</sup>		<a href="#">Secure Shell</a> (SSH), <sup>[11]</sup> secure logins, <a href="#">file transfers</a> ( <a href="#">scp</a> , <a href="#">sftp</a> ) and port forwarding
23	Yes	Assigned			<a href="#">Telnet</a> protocol—unencrypted text communications <sup>[11][24]</sup>
25	Yes	Assigned			<a href="#">Simple Mail Transfer Protocol</a> (SMTP), <sup>[11][25]</sup> used for email routing between mail servers
27	Assigned				nsw-fe (NSW User System FE) <sup>[3]</sup>
28	Unofficial				Palo Alto Networks' Panorama High Availability (HA) sync encrypted port. <sup>[26]</sup>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
29	Assigned				msg-icp (MSG ICP) <sup>[3]</sup>
31	Assigned				msg-auth (MSG Authentication) <sup>[3]</sup>
33	Assigned				dsp (Display Support Protocol) <sup>[3]</sup>
37	Yes				<a href="#">Time Protocol</a> <sup>[27]</sup>
38	Assigned				rap (Route Access Protocol) <sup>[3]</sup>
39	Assigned				rlp (Resource Location Protocol) <sup>[3]</sup>
41	Assigned				graphics (Graphics) <sup>[3]</sup>
42	Assigned	Yes			<a href="#">Host Name Server Protocol</a> <sup>[28]</sup>
43	Yes	Assigned			<a href="#">WHOIS</a> protocol <sup>[29][30][31]</sup>
44	Assigned				mpm-flags (MPM FLAGS Protocol) <sup>[3]</sup>
45	Assigned				mpm (Message Processing Module [recv]) <sup>[3]</sup>
46	Assigned				mpm-snd (MPM [default send]) <sup>[3]</sup>
47	Reserved				

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
48	Assigned				auditd (Digital Audit Daemon) <sup>[3]</sup>
49	Yes				<a href="#">TACACS</a> Login Host protocol. <sup>[32]</sup> <a href="#">TACACS+</a> , still in draft which is an improved but distinct version of TACACS, only uses TCP 49. <sup>[33]</sup>
50	Assigned				re-mail-ck (Remote Mail Checking Protocol) <sup>[3]</sup>
51	Reserved				Historically used for <a href="#">Interface Message Processor</a> logical address management, <sup>[34]</sup> entry has been removed by IANA on 2013-05-25
52	Assigned				<a href="#">Xerox Network Systems</a> (XNS) Time Protocol. Despite this port being assigned by IANA, the service is meant to work on <a href="#">SPP</a> (ancestor of <a href="#">IPX/SPX</a> ), instead of TCP/IP. <sup>[35]</sup>
53	Yes				<a href="#">Domain Name System</a> (DNS) <sup>[36][11]</sup>
54	Assigned				Xerox Network Systems (XNS) Clearinghouse (Name Server). Despite this port being assigned by IANA, the service is meant to work on <a href="#">SPP</a> (ancestor of <a href="#">IPX/SPX</a> ), instead of TCP/IP. <sup>[35]</sup>
55	Assigned				isi-gl (ISI Graphics Language) <sup>[3]</sup>
56	Assigned				Xerox Network Systems (XNS) Authentication Protocol. Despite this port being assigned by IANA, the service is meant to work on <a href="#">SPP</a> (ancestor of <a href="#">IPX/SPX</a> ), instead of TCP/IP. <sup>[35]</sup>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
58	Assigned				Xerox Network Systems (XNS) Mail. Despite this port being assigned by IANA, the service is meant to work on <a href="#">SPP</a> (ancestor of <a href="#">IPX/SPX</a> ), instead of TCP/IP. <sup>[35]</sup>
61	Reserved				Historically assigned to the <a href="#">NIFTP-Based Mail</a> protocol, <sup>[37]</sup> but was never documented in the related <a href="#">IEN</a> . <sup>[38]</sup> The port number entry was removed from IANA's registry on 2017-05-18. <sup>[2]</sup>
62	Assigned				acas (ACA Services) <sup>[3]</sup>
63	Assigned				whoispp (whois++) <sup>[3]</sup>
64	Assigned				covia (Communications Integrator (CI)) <sup>[3]</sup>
65	Assigned				tacacs-ds (TACACS-Database Service) <sup>[3]</sup>
66	Assigned				sql-net (Oracle SQL*NET) <sup>[3]</sup>
67	Assigned	Yes			<a href="#">Bootstrap Protocol</a> (BOOTP) server; <sup>[11]</sup> also used by <a href="#">Dynamic Host Configuration Protocol</a> (DHCP)
68	Assigned	Yes			Bootstrap Protocol (BOOTP) client; <sup>[11]</sup> also used by Dynamic Host Configuration Protocol (DHCP)
69	Assigned	Yes			<a href="#">Trivial File Transfer Protocol</a> (TFTP) <sup>[11][39][40][41]</sup>
70	Yes	Assigned			<a href="#">Gopher</a> protocol <sup>[42]</sup>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
71–74	Yes				<a href="#">NETRJS</a> protocol <sup>[43][44][45]</sup>
76	Assigned				deos (Distributed External Object Store) <sup>[3]</sup>
78	Assigned				vettcp (vettcp) <sup>[3]</sup>
79	Yes	Assigned			<a href="#">Finger protocol</a> <sup>[11][46][47]</sup>
80	Yes		Yes <sup>[12]</sup>		<a href="#">Hypertext Transfer Protocol</a> (HTTP) <sup>[48][49]</sup> uses TCP in versions 1.x and 2. <a href="#">HTTP/3</a> uses <a href="#">QUIC</a> , <sup>[50]</sup> a transport protocol on top of UDP.
81	Unofficial				<a href="#">TorPark onion routing</a> <sup>[verification needed]</sup>
82	Assigned				xfer (XFER Utility) <sup>[3]</sup>
82		Unofficial			TorPark control <sup>[verification needed]</sup>
83	Assigned				mit-ml-dev (MIT ML Device) <sup>[3]</sup>
84	Assigned				ctf (Common Trace Facility) <sup>[3]</sup>
85	Assigned				mit-ml-dev (MIT ML Device) <sup>[3]</sup>
86	Assigned				mfcobol (Micro Focus Cobol) <sup>[3]</sup>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
88	Yes				<a href="#">Kerberos</a> <sup>[11][51][52]</sup> authentication system
89	Assigned				su-mit-tg (SU/MIT Telnet Gateway) <sup>[3]</sup>
90	Assigned				dnsix (DNSIX Security Attribute Token Map) <sup>[3]</sup>
90	Unofficial				<a href="#">PointCast (dotcom)</a> <sup>[2]</sup>
91	Assigned				mit-dov (MIT Dover Spooler) <sup>[3]</sup>
92	Assigned				npp (Network Printing Protocol) <sup>[3]</sup>
93	Assigned				dcp (Device Control Protocol) <sup>[3]</sup>
94	Assigned				objcall (Tivoli Object Dispatcher) <sup>[3]</sup>
95	Yes	Assigned			SUPDUP, terminal-independent remote login <sup>[53]</sup>
96	Assigned				dixie (DIXIE Protocol Specification) <sup>[3]</sup>
97	Assigned				swift-rvf (Swift Remote Virtual File Protocol) <sup>[3]</sup>
98	Assigned				tacnews (TAC News) <sup>[3]</sup>
99	Assigned				metagram (Metagram Relay) <sup>[3]</sup>



Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
101	Yes	Assigned			<a href="#">NIC host name</a> <sup>[54]</sup>
102	Yes	Assigned			<a href="#">ISO</a> Transport Service Access Point ( <a href="#">TSAP</a> ) Class 0 protocol; <sup>[55][56]</sup>
104	Yes				<a href="#">Digital Imaging and Communications in Medicine</a> (DICOM; also port 11112)
105	Yes				<a href="#">CCSO Nameserver</a> <sup>[57]</sup>
106	Unofficial	No			<a href="#">macOS Server</a> , (macOS) password server <sup>[11]</sup>
107	Yes				<a href="#">Remote User Telnet Service</a> (RTelnet) <sup>[58]</sup>
108	Yes				IBM <a href="#">Systems Network Architecture</a> (SNA) gateway access server
109	Yes	Assigned			<a href="#">Post Office Protocol</a> , version 2 (POP2) <sup>[59]</sup>
110	Yes	Assigned			Post Office Protocol, version 3 (POP3) <sup>[11][60][61]</sup>
111	Yes				<a href="#">Open Network Computing Remote Procedure Call</a> (ONC RPC, sometimes referred to as Sun RPC)
113	Yes	No			<a href="#">Ident</a> , authentication service/identification protocol, <sup>[11][62]</sup> used by <a href="#">IRC</a> servers to identify users

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
	Yes	Assigned			Authentication Service (auth), the predecessor to <i>identification protocol</i> . Used to determine a user's identity of a particular TCP connection. <sup>[63]</sup>
115	Yes	Assigned			<a href="#">Simple File Transfer Protocol</a> <sup>[64]</sup>
117	Yes				<a href="#">UUCP Mapping Project</a> (path service) <sup>[citation needed]</sup>
118	Yes				Structured Query Language ( <a href="#">SQL</a> ) Services <sup>[jargon]</sup>
119	Yes	Assigned			<a href="#">Network News Transfer Protocol</a> (NNTP), <sup>[11]</sup> retrieval of newsgroup messages <sup>[65][66]</sup>
123	Assigned	Yes			<a href="#">Network Time Protocol</a> (NTP), used for time synchronization <sup>[11]</sup>
126	Yes				Formerly <a href="#">Unisys</a> Unitary Login, renamed by Unisys to NXEdit. Used by Unisys Programmer's Workbench for Clearpath MCP, an IDE for <a href="#">Unisys MCP software development</a>
135	Yes				<a href="#">DCE endpoint</a> resolution
	Yes				<a href="#">Microsoft</a> EPMAP (End Point Mapper), also known as DCE/ <a href="#">RPC</a> Locator service, <sup>[67]</sup> used to remotely manage services including <a href="#">DHCP server</a> , <a href="#">DNS</a> server and <a href="#">WINS</a> . Also used by <a href="#">DCOM</a>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
137	Yes				<a href="#">NetBIOS</a> Name Service, used for name registration and <a href="#">resolution</a> <sup>[68][69]</sup>
138	Assigned	Yes			NetBIOS Datagram Service <sup>[11][68][69]</sup>
139	Yes	Assigned			NetBIOS Session Service <sup>[68][69]</sup>
143	Yes	Assigned			<a href="#">Internet Message Access Protocol</a> (IMAP), <sup>[11]</sup> management of <a href="#">electronic mail</a> messages on a server <sup>[70]</sup>
151	Assigned				<a href="#">HEMS</a>
152	Yes				<a href="#">Background File Transfer Program</a> (BFTP) <sup>[71][importance?]</sup>
153	Yes				<a href="#">Simple Gateway Monitoring Protocol</a> (SGMP), a protocol for remote inspection and alteration of gateway management information <sup>[72]</sup>
156	Yes				Structured Query Language ( <a href="#">SQL</a> ) Service <sup>[iargon]</sup>
158	Yes				<a href="#">Distributed Mail System Protocol</a> (DMSP, sometimes referred to as Pcmal) <sup>[73][importance?]</sup>
161	Assigned	Yes			<a href="#">Simple Network Management Protocol</a> (SNMP) <sup>[74][citation needed][11]</sup>
162	Yes				<a href="#">Simple Network Management Protocol</a> Trap (SNMPTRAP) <sup>[74][75][citation needed]</sup>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
165	Assigned				<a href="#">Xerox</a>
169	Assigned				<a href="#">SEND</a>
170	Yes				Network <a href="#">PostScript print server</a>
177	Yes				<a href="#">X Display Manager Control Protocol</a> (XDMCP), used for remote logins to an <a href="#">X Display Manager</a> server <sup>[76][self-published source]</sup>
179	Yes	Assigned	Yes <sup>[12]</sup>		<a href="#">Border Gateway Protocol</a> (BGP), <sup>[77]</sup> used to exchange routing and reachability information among <a href="#">autonomous systems</a> (AS) on the <a href="#">Internet</a>
180	Assigned				<a href="#">ris</a>
194	Yes				<a href="#">Internet Relay Chat</a> (IRC) <sup>[78]</sup>
199	Yes				<a href="#">SNMP</a> Unix Multiplexer (SMUX) <sup>[79]</sup>
201	Yes				<a href="#">AppleTalk</a> Routing Maintenance
209	Yes	Assigned			<a href="#">Quick Mail Transfer Protocol</a> <sup>[80][self-published source]</sup>
210	Yes				<a href="#">ANSI Z39.50</a>
213	Yes				<a href="#">Internetwork Packet Exchange</a> (IPX)

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
218	Yes				Message posting protocol (MPP)
220	Yes				<a href="#">Internet Message Access Protocol</a> (IMAP), version 3
225–241	Reserved				
249–255	Reserved				
259	Yes				Efficient Short Remote Operations (ESRO)
262	Yes				Arcisdms
264	Yes				<a href="#">Border Gateway Multicast Protocol</a> (BGMP)
280	Yes				http-mgmt
300	Unofficial				<a href="#">ThinLinc</a> Web Access, Spartan protocol <sup>[81]</sup>
308	Yes				Novastor Online Backup
311	Yes	Assigned			<a href="#">macOS Server</a> Admin <sup>[11]</sup> (officially <a href="#">AppleShare</a> IP Web administration <sup>[2]</sup> )
312	Unofficial	No			macOS <a href="#">Xsan</a> administration <sup>[11]</sup>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
318	Yes				PKIX <a href="#">Time Stamp Protocol</a> (TSP)
319		Yes			<a href="#">Precision Time Protocol</a> (PTP) event messages
320		Yes			<a href="#">Precision Time Protocol</a> (PTP) general messages
323	Yes				<a href="#">Resource Public Key Infrastructure</a> <sup>[82]</sup>
350	Yes				<a href="#">Mapping of Airline Traffic over Internet Protocol</a> (MATIP) type A
351	Yes				MATIP type B
356	Yes				cloanto-net-1 (used by Cloanto Amiga Explorer and VMs)
366	Yes				On-Demand Mail Relay (ODMR)
369	Yes				Rpc2portmap
370	Yes				codaaauth2, Coda authentication server
		Yes			securecast1, outgoing packets to <a href="#">NAI</a> 's SecureCast servers <sup>[83]</sup> As of 2000
371	Yes				ClearCase albd

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
376	Yes				<a href="#">Amiga</a> Envoy Network Inquiry Protocol
383	Yes				HP data alarm manager
384	Yes				A Remote Network Server System
387	Yes				AURP ( <a href="#">AppleTalk</a> Update-based Routing Protocol) <sup>[84]</sup>
388	Yes	Assigned			<a href="#">Unidata LDM</a> near real-time data distribution protocol <sup>[85][self-published source][86][self-published source]</sup>
389	Yes	Assigned			<a href="#">Lightweight Directory Access Protocol</a> (LDAP) <sup>[11]</sup>
399	Yes				<a href="#">Digital Equipment Corporation DECnet+</a> (Phase V) over TCP/IP (RFC1859)
401	Yes				<a href="#">Uninterruptible power supply</a> (UPS)
427	Yes				<a href="#">Service Location Protocol</a> (SLP) <sup>[11]</sup>
433	Yes				NNTP, part of <a href="#">Network News Transfer Protocol</a>
434	Yes				<a href="#">Mobile IP</a> Agent (RFC 5944)
443	Yes		Yes <sup>[12]</sup>		<a href="#">Hypertext Transfer Protocol Secure</a> (HTTPS) <sup>[48][49]</sup> uses TCP in versions 1.x and

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
					2. <a href="#">HTTP/3</a> uses QUIC, <sup>[50]</sup> a transport protocol on top of UDP.
444	Yes				<a href="#">Simple Network Paging Protocol</a> (SNPP), RFC 1568
445	Yes				Microsoft-DS (Directory Services) <a href="#">Active Directory</a> , <sup>[87]</sup> Windows shares
	Yes	Assigned			Microsoft-DS (Directory Services) <a href="#">SMB</a> <sup>[11]</sup> file sharing
464	Yes				<a href="#">Kerberos</a> Change/Set password
465 <sup>[note 1]</sup>	Yes	No			Message Submission over TLS protocol <sup>[88][89]</sup>
	Yes	No			URL Rendezvous Directory for Cisco SSM <sup>[88]</sup>
475	Yes				tcpnethaspsrv, <a href="#">Aladdin Knowledge Systems</a> Hasp services
476–490	Unofficial				Centro Software ERP <sup>[90]</sup> ports
491	Unofficial				<a href="#">GO-Global remote access and application publishing software</a>
497	Yes				<a href="#">Retrospect</a>



Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
500	Assigned	Yes			<a href="#">Internet Security Association and Key Management Protocol</a> (ISAKMP) / <a href="#">Internet Key Exchange</a> (IKE) <sup>[11]</sup>
502	Yes				<a href="#">Modbus</a> Protocol
504	Yes				<a href="#">Citadel</a> , multiservice protocol for dedicated clients for the Citadel groupware system
510	Yes				FirstClass Protocol (FCP), used by <a href="#">FirstClass</a> client/server groupware system
512	Yes				<a href="#">Rexec</a> , Remote Process Execution
		Yes			comsat, together with <a href="#">biff</a>
513	Yes				<a href="#">rlogin</a>
		Yes			Who <sup>[9]</sup>
514	Unofficial				<a href="#">Remote Shell</a> , used to execute non-interactive commands on a remote system (Remote Shell, rsh, remsh)
	No	Yes			<a href="#">Syslog</a> , <sup>[11]</sup> used for system logging
515	Yes	Assigned			<a href="#">Line Printer Daemon</a> (LPD), <sup>[11]</sup> print service

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
517		Yes			<a href="#">Talk</a>
518		Yes			NTalk
520	Yes				efs, extended file name server
		Yes			<a href="#">Routing Information Protocol</a> (RIP)
521		Yes			<a href="#">Routing Information Protocol Next Generation</a> (RIPng)
524	Yes				<a href="#">NetWare Core Protocol</a> (NCP) is used for a variety things such as access to primary NetWare server resources, Time Synchronization, etc.
525		Yes			Timed, <a href="#">Timeserver</a>
530	Yes				<a href="#">Remote procedure call</a> (RPC)
532	Yes	Assigned			netnews <sup>[1]</sup>
533		Yes			netwall, for emergency broadcasts
540	Yes				Unix-to-Unix Copy Protocol ( <a href="#">UUCP</a> )
542	Yes				<a href="#">commerce</a> (Commerce Applications)

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
543	Yes				klogin, <a href="#">Kerberos</a> login
544	Yes				kshell, Kerberos Remote shell
546	Yes				<a href="#">DHCPv6</a> client
547	Yes				DHCPv6 server
548	Yes	Assigned			<a href="#">Apple Filing Protocol</a> (AFP) over <a href="#">TCP</a> <sup>[11]</sup>
550	Yes				new-rwho, new-who <sup>[9]</sup>
554	Yes				<a href="#">Real Time Streaming Protocol</a> (RTSP) <sup>[11]</sup>
556	Yes				Remotefs, <a href="#">RFS</a> , rfs_server
560		Yes			rmonitor, Remote Monitor
561		Yes			monitor
563	Yes				<a href="#">NNTP</a> over <a href="#">TLS/SSL</a> (NNTPS)
564	Unofficial				<a href="#">9P</a> ( <a href="#">Plan 9</a> )
585	No				Previously assigned for use of <a href="#">Internet Message Access Protocol</a> over <a href="#">TLS/SSL</a> (IMAPS), now deregistered in favour of port 993. <sup>[92]</sup>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
587	Yes	Assigned			<a href="#">Email Message Submission</a> (No longer preferred; see port 465.) <sup>[89][111][93]</sup>
591	Yes				<a href="#">FileMaker</a> 6.0 (and later) Web Sharing (HTTP Alternate, also see port 80)
593	Yes				HTTP RPC Ep Map, <a href="#">Remote procedure call</a> over <a href="#">Hypertext Transfer Protocol</a> , often used by <a href="#">Distributed Component Object Model</a> services and <a href="#">Microsoft Exchange Server</a>
601	Yes				Reliable <a href="#">Syslog</a> Service — used for system logging
604	Yes				TUNNEL profile, <sup>[94]</sup> a protocol for <a href="#">BEEP peers</a> to form an <a href="#">application layer tunnel</a>
623		Yes			ASF Remote Management and Control Protocol (ASF- <a href="#">RMCP</a> ) & IPMI Remote Management Protocol
625	Unofficial	No			Open Directory Proxy (ODProxy) <sup>[11]</sup>
631	Yes				<a href="#">Internet Printing Protocol</a> (IPP) <sup>[11]</sup>
	Unofficial				<a href="#">Common Unix Printing System</a> (CUPS) administration console (extension to IPP)
635	Yes				RLZ DBase

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Port	TCP	UDP	SCTP	DCCP	Description
636	Yes	Assigned			<a href="#">Lightweight Directory Access Protocol</a> over <a href="#">TLS/SSL</a> (LDAPS) <sup>[11]</sup>
639	Yes				<a href="#">Multicast Source Discovery Protocol</a> , MSDP
641	Yes				SupportSoft Nexus Remote Command (control/listening), a proxy gateway connecting remote control traffic
643	Yes				SANity
646	Yes				<a href="#">Label Distribution Protocol</a> (LDP), a routing protocol used in <a href="#">MPLS</a> networks
647	Yes				<a href="#">DHCP Failover</a> protocol <sup>[95]</sup>
648	Yes				Registry Registrar Protocol (RRP) <sup>[96]</sup>
651	Yes				IEEE-MMS
653	Yes				SupportSoft Nexus Remote Command (data), a proxy gateway connecting remote control traffic
654	Yes				Media Management System (MMS) Media Management Protocol (MMP) <sup>[97]</sup>
655	Yes				<a href="#">Tinc</a> VPN daemon

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
657	Yes				<a href="#">IBM RMC</a> (Remote monitoring and Control) protocol, used by <a href="#">System p5 AIX</a> Integrated Virtualization Manager (IVM) <sup>[98]</sup> and <a href="#">Hardware Management Console</a> to connect managed <a href="#">logical partitions (LPAR)</a> to enable dynamic partition reconfiguration
660	Yes	Assigned			<a href="#">macOS Server</a> administration, <sup>[2]</sup> version 10.4 and earlier <sup>[11]</sup>
<a href="#">666</a>	Yes				<a href="#">Doom</a> , the first online <a href="#">first-person shooter</a>
	Unofficial				airserv-ng, <sup>[99]</sup> <a href="#">aircrack-ng</a> 's server for remote-controlling wireless devices
674	Yes				<a href="#">Application Configuration Access Protocol</a> (ACAP)
684	Yes				CORBA IIOP SSL <sup>[100]</sup>
688	Yes				REALM-RUSD (ApplianceWare Server Appliance Management Protocol)
690	Yes				Velneo Application Transfer Protocol (VATP)
691	Yes				<a href="#">MS Exchange</a> Routing
694	Yes				<a href="#">Linux-HA</a> high-availability heartbeat

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
695	Yes	Assigned			<a href="#">IEEE</a> Media Management System over <a href="#">SSL</a> (IEEE-MMS-SSL) <sup>[101]</sup>
698		Yes			<a href="#">Optimized Link State Routing</a> (OLSR)
700	Yes				<a href="#">Extensible Provisioning Protocol</a> (EPP), a protocol for communication between <a href="#">domain name registries</a> and <a href="#">registrars</a> (RFC 5734)
701	Yes				Link Management Protocol (LMP), <sup>[102]</sup> a protocol that runs between a pair of <a href="#">nodes</a> and is used to manage <a href="#">traffic engineering</a> (TE) <a href="#">links</a>
702	Yes				IRIS <sup>[103][104]</sup> (Internet Registry Information Service) over <a href="#">BEEP</a> (Blocks Extensible Exchange Protocol) <sup>[105]</sup> (RFC 3983)
706	Yes				<a href="#">Secure Internet Live Conferencing</a> (SILC)
711	Yes				<a href="#">Cisco</a> Tag Distribution Protocol <sup>[106][107][108]</sup> —being replaced by the MPLS <a href="#">Label Distribution Protocol</a> <sup>[109]</sup>
712	Yes				<a href="#">Topology Broadcast based on Reverse-Path Forwarding routing protocol</a> (TBRPF; RFC 3684)
749	Yes				Kerberos administration <sup>[11]</sup>
750		Yes			kerberos-iv, <a href="#">Kerberos</a> version IV

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
751	Unofficial				kerberos_master, Kerberos authentication
752		Unofficial			passwd_server, Kerberos password (kpasswd) server
753	Yes				Reverse Routing Header (RRH) <sup>[110]</sup>
		Unofficial			userreg_server, Kerberos userreg server
754	Yes				tell send
	Unofficial				krb5_prop, Kerberos v5 slave propagation
760	Unofficial				krbupdate [kreg], Kerberos registration
782	Unofficial				<a href="#">Conserver</a> serial-console management server
783	Unofficial				<a href="#">SpamAssassin</a> spamd daemon
800	Yes				mdbs-daemon
802	Yes				<a href="#">MODBUS</a> /TCP Security <sup>[111]</sup>
808	Unofficial				Microsoft Net.TCP Port Sharing Service
829	Yes	Assigned			<a href="#">Certificate Management Protocol</a> <sup>[112]</sup>



Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
830	Yes				<a href="#">NETCONF</a> over <a href="#">SSH</a>
831	Yes				NETCONF over <a href="#">BEEP</a>
832	Yes				NETCONF for <a href="#">SOAP</a> over HTTPS
833	Yes				NETCONF for SOAP over BEEP
843	Unofficial				<a href="#">Adobe Flash</a> <sup>[113]</sup>
847	Yes				<a href="#">DHCP Failover</a> protocol
848	Yes				Group Domain Of Interpretation (GDOI) protocol
853	Yes				<a href="#">DNS over TLS</a> (RFC 7858)
		Yes			DNS over QUIC or DNS over DTLS <sup>[114]</sup>
860	Yes				<a href="#">iSCSI</a> (RFC 3720)
861	Yes				OWAMP control (RFC 4656)
862	Yes				TWAMP control (RFC 5357)
873	Yes				<a href="#">rsync</a> file synchronization protocol

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
888	Unofficial				cddbp, <a href="#">CD DataBase (CDDB)</a> protocol (CDDBP)
	Unofficial				IBM Endpoint Manager Remote Control
897	Unofficial				<a href="#">Brocade</a> SMI-S RPC
898	Unofficial				Brocade SMI-S RPC SSL
902	Unofficial				<a href="#">VMware ESXi</a> <sup>[115][116]</sup>
903	Unofficial				VMware ESXi <sup>[115][116]</sup>
953	Yes	Reserved			<a href="#">BIND</a> remote name daemon control (RNDC) <sup>[117][118]</sup>
981	Unofficial				Remote HTTPS management for firewall devices running embedded <a href="#">Check Point VPN-1</a> software <sup>[119]</sup>
987		Unofficial			Sony PlayStation Wake On Lan
	Unofficial				<a href="#">Microsoft Remote Web Workplace</a> , a feature of <a href="#">Windows Small Business Server</a> <sup>[120]</sup>
988	Unofficial				<a href="#">Lustre (file system)</a> <sup>[121]</sup> Protocol (data).
989	Yes				<a href="#">FTPS</a> Protocol (data), <a href="#">FTP</a> over <a href="#">TLS/SSL</a>

Well-known ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
990	Yes				FTPS Protocol (control), FTP over TLS/SSL
991	Yes				<a href="#">Netnews</a> Administration System (NAS) <sup>[122]</sup>
992	Yes				<a href="#">Telnet</a> protocol over TLS/SSL
993	Yes	Assigned			<a href="#">Internet Message Access Protocol</a> over <a href="#">TLS/SSL</a> (IMAPS) <sup>[11]</sup>
994	Reserved				Previously assigned to <a href="#">Internet Relay Chat</a> over <a href="#">TLS/SSL</a> (IRCS), but was not used in common practice.
995	Yes				<a href="#">Post Office Protocol</a> 3 over <a href="#">TLS/SSL</a> (POP3S) <sup>[11]</sup>
1010	Unofficial				<a href="#">ThinLinc</a> web-based administration interface <sup>[123]</sup>
1011–1020	Reserved				
1023	Reserved				<sup>[2]</sup>
	Unofficial				<a href="#">z/OS</a> Network File System (NFS) (potentially ports 991–1023) <sup>[78][79][124]</sup>

## Registered ports<sup>[[edit](#)]</sup>

*This is a [dynamic list](#) and may never be able to satisfy particular standards for completeness. You can help by [adding missing items](#) with [reliable sources](#).*

The range of port numbers from 1024 to 49151 ( $2^{10}$  to  $2^{15} + 2^{14} - 1$ ) are the [registered ports](#). They are assigned by [IANA](#) for specific service upon application by a requesting entity.<sup>[2]</sup> On most systems, registered ports can be used without superuser privileges.

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
1024	Reserved				Reserved
1025	Assigned				network blackjack <sup>[125]</sup>
1027	Reserved				Reserved
		Yes			Native IPv6 behind IPv4-to-IPv4 NAT Customer Premises Equipment (6a44) <sup>[126]</sup>
1029	Unofficial				Microsoft <a href="#">DCOM</a> services
1058	Yes				nim, <a href="#">IBM AIX Network Installation Manager</a> (NIM)
1059	Yes				nimreg, IBM AIX Network Installation Manager (NIM)
1080	Yes				<a href="#">SOCKS</a> proxy
1085	Yes				<a href="#">WebObjects</a> <sup>[11]</sup>
1098	Yes				rmiactivation, <a href="#">Java remote method invocation</a> (RMI) activation

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
1099	Yes	Assigned			rmiregistry, Java remote method invocation (RMI) registry
1100		Unofficial			SaltoSystems - Handshake for IP-Components
1112	Unofficial				<a href="#">ESET</a> virus updates <sup>[127]</sup>
1113	Assigned <small>[note 2][128]</small>	Yes <sup>[129]</sup>			<a href="#">Licklider Transmission Protocol</a> (LTP) delay tolerant networking protocol
1119	Yes				<a href="#">Battle.net</a> chat/game protocol, used by <a href="#">Blizzard's</a> games <sup>[130]</sup>
1167	Yes	Yes	Yes		Cisco <a href="#">IP SLA</a> (Service Assurance Agent)
1194	Yes				<a href="#">OpenVPN</a>
1198	Yes				The <a href="#">cajo project</a> Free dynamic transparent distributed computing in Java
1212	Unofficial				Equalsocial <a href="#">Fediverse</a> protocol
1214	Yes				<a href="#">Kazaa</a>
1220	Yes	Assigned			<a href="#">QuickTime Streaming Server</a> administration <sup>[11]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
1234	Yes				<a href="#">Infoseek</a> search agent
		Unofficial			<a href="#">VLC media player</a> default port for UDP/RTP stream
1241	Unofficial				<a href="#">Nessus Security Scanner</a>
1270	Yes				Microsoft <a href="#">System Center Operations Manager</a> (SCOM) (formerly Microsoft Operations Manager (MOM)) agent
1293	Yes				Internet Protocol Security ( <a href="#">IPSec</a> )
1311	Yes				Windows RxMon.exe
	Unofficial				Dell <a href="#">OpenManage</a> HTTPS <sup>[131]</sup>
1314	Unofficial				<a href="#">Festival Speech Synthesis System</a> server <sup>[132]</sup>
1319	Yes				AMX ICSP (Protocol for communications with AMX control systems devices)
<a href="#">1337</a>	Yes				<a href="#">Men&amp;Mice DNS</a> <sup>[133]</sup>
	Unofficial				<a href="#">Strapi</a> <sup>[134]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
	Unofficial				Razer Chroma SDK Server <sup>[135]</sup>
	Unofficial				<a href="#">Sails.js</a> default port <sup>[136]</sup>
1341	Yes				Qubes ( <a href="#">Manufacturing Execution System</a> )
1344	Yes				<a href="#">Internet Content Adaptation Protocol</a>
1352	Yes				IBM <a href="#">Lotus Notes/Domino (RPC)</a> protocol
1360	Yes				<a href="#">Mimer SQL</a>
1414	Yes				<a href="#">IBM WebSphere MQ</a> (formerly known as <a href="#">MQSeries</a> )
1417	Yes				<a href="#">Timbuktu</a> Service 1 Port
1418	Yes				Timbuktu Service 2 Port
1419	Yes				Timbuktu Service 3 Port
1420	Yes				Timbuktu Service 4 Port
1431	Yes				<a href="#">Reverse Gossip Transport Protocol</a> (RGTP), used to access a General-purpose Reverse-Ordered Gossip Gathering System (GROGGS) <a href="#">bulletin board</a> , such

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
					as that implemented on the <a href="#">Cambridge University's Phoenix system</a>
1433	Yes				<a href="#">Microsoft SQL Server database management system</a> (MSSQL) server
1434	Yes				Microsoft SQL Server database management system (MSSQL) monitor
1476	Yes				WiFi Pineapple Hak5.
1481	Yes				AIRS data interchange.
1492	Unofficial				<a href="#">Sid Meier's CivNet</a> , a multiplayer remake of the original <i>Sid Meier's Civilization</i> game <sup>[citation needed]</sup>
1494	Unofficial				Citrix <a href="#">Independent Computing Architecture</a> (ICA) <sup>[137]</sup>
1500	Unofficial				<a href="#">IBM Tivoli Storage Manager</a> server <sup>[138]</sup>
1501	Unofficial				IBM Tivoli Storage Manager client scheduler <sup>[138]</sup>
1503	Unofficial				<a href="#">Windows Live Messenger</a> (Whiteboard and Application Sharing) <sup>[139]</sup>
1512	Yes				Microsoft's <a href="#">Windows Internet Name Service</a> (WINS)



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
1513	Unofficial				<a href="#">Garena</a> game client <sup>[citation needed]</sup>
1521	Yes				<a href="#">nCUBE</a> License Manager
	Unofficial				<a href="#">Oracle database</a> default listener, in future releases <sup>[when?][140]</sup> official port 2483 (TCP/IP) and 2484 (TCP/IP with SSL)
1524	Yes				ingreslock, <a href="#">ingres</a>
1527	Yes				<a href="#">Oracle Net Services</a> , formerly known as SQL*Net <sup>[141]</sup>
	Unofficial				<a href="#">Apache Derby Network Server</a> <sup>[142]</sup>
1533	Yes				<a href="#">IBM Sametime</a> Virtual Places Chat
1534	No	Unofficial			Eclipse Target Communication Framework <sup>[143]</sup>
1540	Unofficial				<a href="#">1C:Enterprise</a> server agent (ragent) <sup>[144][145]</sup>
1541	Unofficial				1C:Enterprise master cluster manager (rmngr) <sup>[144]</sup>
1542	Unofficial				1C:Enterprise configuration repository server <sup>[144]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
1545	Unofficial				1C:Enterprise cluster administration server (RAS) <sup>[144]</sup>
1547	Yes				<a href="#">Laplink</a>
1550	Unofficial				1C:Enterprise debug server <sup>[144]</sup>
	Unofficial				<a href="#">Gadu-Gadu</a> (direct client-to-client) <sup>[citation needed]</sup>
1560–1590	Unofficial				1C:Enterprise cluster working processes <sup>[144]</sup>
1581	Yes				<a href="#">MIL STD 2045-47001 VMF</a>
	Unofficial				<a href="#">IBM Tivoli Storage Manager</a> web client <sup>[138]</sup>
1582–1583	Unofficial				IBM Tivoli Storage Manager server web interface <sup>[138]</sup>
1583	Unofficial				<a href="#">Pervasive PSQL</a> <sup>[146]</sup>
1589	Yes				Cisco VLAN Query Protocol ( <a href="#">VQP</a> )
1604	Unofficial				<a href="#">DarkComet</a> remote administration tool (RAT) <sup>[citation needed]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
1626	Unofficial				<a href="#">iSketch</a> <sup>[147]</sup>
1627	Unofficial				<a href="#">iSketch</a> <sup>[147]</sup>
1628	Yes				<a href="#">LonTalk</a> normal
1629	Yes				LonTalk urgent
1645	No	Unofficial			Early deployment of <a href="#">RADIUS</a> before RFC standardization was done using UDP port number 1645. Enabled for compatibility reasons by default on <a href="#">Cisco</a> <sup>[citation needed]</sup> and <a href="#">Juniper Networks</a> RADIUS servers. <sup>[148]</sup> Official port is 1812. TCP port 1645 <b>MUST NOT</b> be used. <sup>[149]</sup>
1646	No	Unofficial			Old radacct port, <sup>[when?]</sup> RADIUS accounting protocol. Enabled for compatibility reasons by default on Cisco <sup>[citation needed]</sup> and <a href="#">Juniper Networks</a> RADIUS servers. <sup>[148]</sup> Official port is 1813. TCP port 1646 <b>MUST NOT</b> be used. <sup>[149]</sup>
1666	Unofficial				<a href="#">Perforce</a> <sup>[150]</sup>
1677	Yes				<a href="#">Novell GroupWise</a> clients in client/server access mode
1688	Unofficial				Microsoft <a href="#">Key Management Service</a> (KMS) for Windows Activation <sup>[151]</sup>

Registered ports hide					
Port	TCP	UDP	SCP	DCCP	Description
1701	Yes				<a href="#">Layer 2 Forwarding Protocol</a> (L2F)
	Assigned	Yes			<a href="#">Layer 2 Tunneling Protocol</a> (L2TP) <sup>[11]</sup>
1707	Yes				<a href="#">Windward Studios</a> games (vdmplay)
		Unofficial			L2TP/IPsec, for establishing an initial connection <sup>[152]</sup>
1714–1764	Unofficial				<a href="#">KDE Connect</a> <sup>[153]</sup>
1716		Unofficial			<a href="#">America's Army</a> , a <a href="#">massively multiplayer online game</a> (MMO) <sup>[154]</sup>
1719	Yes				<a href="#">H.323</a> registration and alternate communication
1720	Yes				<a href="#">H.323</a> call signaling
1723	Yes	Assigned			<a href="#">Point-to-Point Tunneling Protocol</a> (PPTP) <sup>[11]</sup>
1755	Yes				<a href="#">Microsoft Media Services</a> (MMS, ms-streaming)
1761	Unofficial				<a href="#">Novell ZENworks</a> <sup>[155][156]</sup>
1776	Yes				<a href="#">Emergency management information system</a>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
1801	Yes				<a href="#">Microsoft Message Queuing</a>
1812	Yes				<a href="#">RADIUS</a> authentication protocol, radius
1813	Yes				<a href="#">RADIUS</a> accounting protocol, radius-acct
1863	Yes				<a href="#">Microsoft Notification Protocol</a> (MSNP), used by the <a href="#">Microsoft Messenger service</a> and a number of instant messaging <a href="#">Messenger clients</a>
1880	Unofficial				<a href="#">Node-RED</a> <sup>[157]</sup>
1883	Yes				<a href="#">MQTT</a> (formerly MQ Telemetry Transport)
1900	Assigned	Yes			<a href="#">Simple Service Discovery Protocol</a> (SSDP), <sup>[11]</sup> discovery of <a href="#">UPnP</a> devices
1935	Yes				<a href="#">Macromedia Flash</a> Communications <a href="#">Server MX</a> , the precursor to <a href="#">Adobe Flash Media Server</a> before <a href="#">Macromedia</a> 's acquisition by <a href="#">Adobe</a> on December 3, 2005
	Unofficial				<a href="#">Real Time Messaging Protocol</a> (RTMP) <sup>[citation needed]</sup> , primarily used in <a href="#">Adobe Flash</a> <sup>[158]</sup>
1965	Unofficial	No			<a href="#">Gemini</a> , a lightweight, collaboratively designed protocol, striving to fill the gap between Gopher and HTTP <sup>[159]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
1967		Unofficial			Cisco IOS IP Service Level Agreements ( <a href="#">IP SLAs</a> ) Control Protocol <sup>[citation needed]</sup>
1972	Yes				<a href="#">InterSystems Caché</a> , and <a href="#">InterSystems</a> IRIS versions 2020.3 and later
1984	Yes				<a href="#">Big Brother</a>
	Unofficial				Arweave mining node <sup>[160]</sup>
1985	Assigned	Yes			Cisco <a href="#">Hot Standby Router Protocol</a> (HSRP) <sup>[161][self-published source]</sup>
1998	Yes				Cisco X.25 over TCP ( <a href="#">XOT</a> ) service
2000	Yes				Cisco <a href="#">Skinny Client Control Protocol</a> (SCCP)
2010	Unofficial				<a href="#">Artemis: Spaceship Bridge Simulator</a> <sup>[162]</sup>
2033	Unofficial				<a href="#">Civilization IV</a> multiplayer <sup>[163]</sup>
2049	Yes	Yes	Yes		<a href="#">Network File System</a> (NFS) <sup>[11]</sup>
2056	Unofficial				Civilization IV multiplayer <sup>[163]</sup>
2080	Yes				<a href="#">Autodesk</a> NLM ( <a href="#">FLEXlm</a> )

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
2082	Unofficial				<a href="#">cPanel</a> default <sup>[164]</sup>
2083	Yes				Secure <a href="#">RADIUS</a> Service (radsec)
	Unofficial				cPanel default <a href="#">TLS</a> <sup>[164]</sup>
2086	Yes				<a href="#">GNUnet</a>
	Unofficial				<a href="#">WebHost Manager</a> default <sup>[164]</sup>
2087	Unofficial				WebHost Manager default <a href="#">TLS</a> <sup>[164]</sup>
2095	Yes				cPanel default web mail <sup>[164]</sup>
2096	Unofficial				cPanel default <a href="#">TLS</a> web mail <sup>[164]</sup>
2100	Unofficial				<a href="#">Warzone 2100</a> multiplayer <sup>[citation needed]</sup>
2101	Unofficial				<a href="#">Networked Transport of RTCM via Internet Protocol</a> (NTRIP) <sup>[citation needed]</sup>
2102	Yes				<a href="#">Zephyr Notification Service</a> server

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
2103	Yes				Zephyr Notification Service serv-hm connection
2104	Yes				Zephyr Notification Service hostmanager
2123	Yes				<a href="#">GTP</a> control messages (GTP-C)
2142	Yes				<a href="#">TDMoIP</a> (TDM over IP)
2152	Yes				<a href="#">GTP</a> user data messages (GTP-U)
2159	Yes				<a href="#">GDB remote debug port</a>
2181	Yes				EForward-document transport system
	Unofficial				<a href="#">Apache ZooKeeper</a> default client port <sup>[citation needed]</sup>
2195	Unofficial				<a href="#">Apple Push Notification Service</a> , binary, gateway. <sup>[11][165]</sup> Deprecated March 2021. <sup>[166]</sup>
2196	Unofficial				<a href="#">Apple Push Notification Service</a> , binary, feedback. <sup>[11][165]</sup> Deprecated March 2021. <sup>[166]</sup>
2197	Unofficial				<a href="#">Apple Push Notification Service</a> , <a href="#">HTTP/2</a> , <a href="#">JSON</a> -based <a href="#">API</a> .
2210	Yes				<a href="#">NOAAPORT</a> Broadcast Network



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
2211	Yes				<a href="#">EMWIN</a>
2221	Unofficial				<a href="#">ESET</a> anti-virus updates <sup>[127]</sup>
2222	Yes				<a href="#">EtherNet/IP</a> implicit messaging for IO data
	Unofficial				<a href="#">DirectAdmin</a> Access <sup>[167]</sup>
2222–2226	Yes				ESET Remote administrator <sup>[127]</sup>
2240	Yes				<a href="#">General Dynamics</a> Remote Encryptor Configuration Information Protocol (RECIpE)
2261	Yes				<a href="#">CoMotion</a> master
2262	Yes				CoMotion backup
2302		Unofficial			<a href="#">ArmA</a> multiplayer <sup>[168]</sup>
		Unofficial			<a href="#">Halo: Combat Evolved</a> multiplayer host <sup>[169]</sup>
2303		Unofficial			ArmA multiplayer ( <i>default port for game +1</i> ) <sup>[168][170]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
		Unofficial			Halo: Combat Evolved multiplayer listener <sup>[169]</sup>
2305		Unofficial			ArmA multiplayer ( <i>default port for game +3</i> ) <sup>[168]</sup>
2351	Unofficial				<a href="#">AIM</a> game LAN network port <sup>[citation needed]</sup>
2368	Unofficial				<a href="#">Ghost (blogging platform)</a> <sup>[171]</sup>
2369	Unofficial				Default for <a href="#">BMC Control-M/Server</a> Configuration Agent
2370	Unofficial				Default for BMC Control-M/Server, to allow the Control-M/Enterprise Manager to connect to the Control-M/Server
2372	Unofficial				Default for <a href="#">K9 Web Protection</a> /parental controls, content filtering agent <sup>[citation needed]</sup>
2375	Yes	Reserved			<a href="#">Docker</a> REST API (plain)
2376	Yes	Reserved			Docker REST API (SSL)
2377	Yes	Reserved			Docker Swarm cluster management communications <sup>[172][self-published source]</sup>

Registered ports hide					
Port	TCP	UDP	SCP	DCCP	Description
2379	Yes	Reserved			CoreOS <a href="#">etcd</a> client communication
	Unofficial				<a href="#">KGS Go Server</a> <sup>[173]</sup>
2380	Yes	Reserved			CoreOS etcd server communication
2389	Assigned				OpenView Session Mgr
2399	Yes				<a href="#">FileMaker</a> Data Access Layer (ODBC/JDBC)
2401	Yes				<a href="#">CVS</a> version control system password-based server
2404	Yes				<a href="#">IEC 60870-5-104</a> , used to send electric power telecontrol messages between two systems via directly connected <a href="#">data circuits</a>
2424	Unofficial				<a href="#">OrientDB</a> database listening for binary client connections <sup>[174]</sup>
2427	Yes				<a href="#">Media Gateway Control Protocol</a> (MGCP) media gateway
2447	Yes				ovwdb— <a href="#">OpenView Network Node Manager</a> (NNM) daemon
2456	Unofficial				<a href="#">Valheim</a>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
2459	Yes				<a href="#">XRPL</a>
2480	Unofficial				<a href="#">OrientDB</a> database listening for HTTP client connections <sup>[174]</sup>
2483	Yes				<a href="#">Oracle database</a> listening for insecure client connections, replaces port 1521 <sup>[when?]</sup>
2484	Yes				Oracle database listening for <a href="#">SSL</a> client connections
2500	Unofficial				NetFS communication <sup>[175]</sup>
2501		Unofficial			NetFS probe
2535	Yes				<a href="#">Multicast Address Dynamic Client Allocation Protocol</a> (MADCAP). <sup>[176]</sup> All standard messages are UDP datagrams. <sup>[177]</sup>
2541	Yes				<a href="#">LonTalk</a> /IP
2546–2548	Yes				<a href="#">EVault</a> data protection services
2593	Unofficial				<a href="#">Ultima Online</a> servers <sup>[citation needed]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
2598	Unofficial				Citrix <a href="#">Independent Computing Architecture</a> (ICA) with Session Reliability; port 1494 without session reliability <sup>[137]</sup>
2599	Unofficial				<i>Ultima Online</i> servers <sup>[citation needed]</sup>
2628	Yes				<a href="#">DICT</a> <sup>[178]</sup>
2638	Yes				<a href="#">SQL Anywhere</a> database server <sup>[179][180]</sup>
2710	Unofficial				XBT Tracker. <sup>[181]</sup> UDP tracker extension is considered experimental. <sup>[182]</sup>
2727	Yes				<a href="#">Media Gateway Control Protocol</a> (MGCP) media gateway controller (call agent)
2759		Unofficial			<a href="#">SuperTuxKart</a> server <sup>[183]</sup>
2775	Yes				<a href="#">Short Message Peer-to-Peer</a> (SMPP) <sup>[citation needed]</sup>
2809	Yes				corbaloc:iiop URL, per the <a href="#">CORBA</a> 3.0.3 specification
2811	Yes				gsi ftp, per the <a href="#">GridFTP</a> specification
2827	Unofficial				<a href="#">I2P</a> BOB Bridge <sup>[184]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
2944	Yes				<a href="#">Megaco</a> text H.248
2945	Yes				Megaco binary (ASN.1) H.248
2947	Yes				<a href="#">gpsd</a> , GPS daemon
2948–2949	Yes				<a href="#">WAP</a> push <a href="#">Multimedia Messaging Service</a> (MMS)
2967	Yes				<a href="#">Symantec System Center</a> agent (SSC-AGENT)
2989	Yes				Zarkov Intelligent Agent Communication <sup>[185]</sup>
3000	Unofficial				<a href="#">Ruby on Rails</a> development default <sup>[186]</sup>
	Unofficial				<a href="#">Meteor</a> development default <sup>[187]</sup> <sup>[failed verification]</sup>
	Unofficial				<a href="#">Resilio Sync</a> , <sup>[188]</sup> spun from BitTorrent Sync.
	Unofficial				Create React App, script to create single-page <a href="#">React</a> applications <sup>[189]</sup>
	Unofficial				Gogs and <a href="#">Gitea</a> (self-hosted <a href="#">Git</a> service) <sup>[190]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
	Unofficial				<a href="#">Grafana</a> <sup>[191]</sup>
3001	Yes	No			Honeywell Prowatch <sup>[192]</sup>
3004	Unofficial				<a href="#">iSync</a> <sup>[11]</sup>
3010	Yes				KWS Connector
3020	Yes				<a href="#">Common Internet File System</a> (CIFS). See also port 445 for <a href="#">Server Message Block</a> (SMB), a dialect of CIFS.
3050	Yes				gds-db ( <a href="#">Interbase</a> / <a href="#">Firebird</a> databases)
3052	Yes				<a href="#">APC PowerChute Network</a>
3074	Yes				Xbox LIVE and <a href="#">Games for Windows – Live</a>
3101	Unofficial				<a href="#">BlackBerry Enterprise Server</a> communication protocol <sup>[193]</sup>
3128	Unofficial	No			<a href="#">Squid</a> caching web proxy <sup>[194]</sup>
3225	Yes				<a href="#">Fibre Channel over IP</a> (FCIP)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
3233	Yes				<a href="#">WhiskerControl</a> research control protocol
3260	Yes				<a href="#">iSCSI</a>
3268	Yes				msft-gc, Microsoft Global Catalog ( <a href="#">LDAP</a> service which contains data from <a href="#">Active Directory</a> forests)
3269	Yes				msft-gc-ssl, Microsoft Global Catalog over <a href="#">SSL</a> (similar to port 3268, <a href="#">LDAP</a> over <a href="#">SSL</a> )
3283	Yes				<i>Net Assistant</i> , <sup>[11]</sup> a predecessor to <i>Apple Remote Desktop</i>
	Unofficial				<a href="#">Apple Remote Desktop</a> 2.0 or later <sup>[11]</sup>
3290		Unofficial			<a href="#">Virtual Air Traffic Simulation</a> (VATSIM) network voice communication <sup>[citation needed]</sup>
3305	Yes				<a href="#">Odette File Transfer Protocol</a> (OFTP)
3306	Yes	Assigned			<a href="#">MySQL</a> database system <sup>[11]</sup>
3323	Unofficial				<a href="#">DECE</a> GEODI Server
3332		Unofficial			Thundercloud DataPath Overlay Control



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
3333	Unofficial				<a href="#">Eggdrop</a> , an IRC bot default port <sup>[195]</sup>
	Unofficial				<a href="#">Network Caller ID</a> server
	Unofficial				<a href="#">CruiseControl.rb</a> <sup>[196]</sup>
	Unofficial				OpenOCD ( <a href="#">gdbserver</a> ) <sup>[197]</sup>
3344	Unofficial				Repetier-Server
3351	Unofficial				<a href="#">Pervasive PSQL</a> <sup>[146]</sup>
3386	Yes				<a href="#">GTP</a> <a href="#">3GPP</a> <a href="#">GSM/UMTS</a> <a href="#">CDR</a> logging protocol
3389	Yes				<a href="#">Microsoft Terminal Server</a> (RDP) officially registered as Windows Based Terminal (WBT) <sup>[198]</sup>
3396	Yes				<a href="#">Novell</a> NDPS Printer Agent
3412	Yes				xmlBlaster
3423	Yes				Xware xTrm Communication Protocol

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
3424	Yes				Xware xTrm Communication Protocol over SSL
3435	Yes				Pacom Security User Port
3455	Yes				<a href="#">Resource Reservation Protocol</a> (RSVP)
3478	Yes				<a href="#">STUN</a> , a protocol for NAT traversal <sup>[199]</sup>
	Yes				<a href="#">TURN</a> , a protocol for NAT traversal <sup>[200]</sup> (extension to STUN)
	Yes				STUN Behavior Discovery. <sup>[201]</sup> See also port 5349.
3478–3481		Unofficial			<a href="#">Microsoft Teams</a> <sup>[202]</sup>
3479	Unofficial				<a href="#">PlayStation Network</a> <sup>[203]</sup>
3480	Unofficial				PlayStation Network <sup>[203]</sup>
3483		Yes			<a href="#">Slim Devices</a> discovery protocol
	Yes				<a href="#">Slim Devices</a> SlimProto protocol
3493	Yes				<a href="#">Network UPS Tools</a> (NUT)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
3503	Yes				MPLS LSP-echo Port
3516	Yes				Smartcard Port
3527		Yes			<a href="#">Microsoft Message Queuing</a>
3535	Unofficial				<a href="#">SMTP</a> alternate <sup>[204]</sup>
3544		Yes			<a href="#">Teredo tunneling</a>
3551	Yes				Apcupsd Information Port <sup>[205]</sup>
3601	Yes				<a href="#">SAP</a> Message Server Port <sup>[206]</sup>
3632	Yes	Assigned			<a href="#">Distcc</a> , distributed compiler <sup>[11]</sup>
3645	Yes				<a href="#">Cyc</a>
3655	Yes				<a href="#">Advanced Systems Concepts, Inc.</a> ActiveBatch Exec Agent <sup>[207]</sup>
3659	Yes				Apple <a href="#">SASL</a> , used by <a href="#">macOS Server</a> Password Server <sup>[11]</sup>
		Unofficial			Battlefield 4

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
3667	Yes				Information Exchange
3671	Yes				KNXnet/IP(EIBnet/IP)
3689	Yes	Assigned			<a href="#">Digital Audio Access Protocol</a> (DAAP), used by <a href="#">Apple's iTunes</a> and <a href="#">AirPlay</a> <sup>[11]</sup>
3690	Yes				<a href="#">Subversion (SVN)</a> <sup>[11]</sup> version control system
3702	Yes				<a href="#">Web Services Dynamic Discovery</a> (WS-Discovery), used by various components of <a href="#">Windows Vista</a> and later
3721	Unofficial				<a href="#">ES File Explorer</a> FTP server
3724	Yes				Some <a href="#">Blizzard</a> games <sup>[130]</sup>
	Unofficial				<a href="#">Club Penguin</a> Disney online game for kids
3725	Yes				Netia NA-ER Port
3749	Yes				CimTrak <sup>[208]</sup> registered port
3768	Yes				RBLcheckd server daemon

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
3784		Yes			Bidirectional Forwarding Detection (BFD)for IPv4 and IPv6 (Single Hop) (RFC 5881)
3785		Unofficial			VoIP program used by <a href="#">Ventrilo</a>
3799		Yes			<a href="#">RADIUS</a> change of authorization
3804	Yes				Harman Professional <a href="#">HiQnet</a> protocol
3825	Unofficial				RedSeal Networks client/server connection <sup>[citation needed]</sup>
3826	Yes				WarMUX game server
	Unofficial				RedSeal Networks client/server connection <sup>[citation needed]</sup>
3835	Unofficial				RedSeal Networks client/server connection <sup>[citation needed]</sup>
3830	Yes				System Management Agent, developed and used by Cerner to monitor and manage solutions
3856	Unofficial				ERP Server Application used by F10 Software
3880	Yes				IGRS

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
3868	Yes		Yes		<a href="#">Diameter</a> base protocol (RFC 3588)
3872	Yes				<a href="#">Oracle Enterprise Manager</a> Remote Agent
3900	Yes				udt_os, <a href="#">IBM UniData</a> UDT OS <sup>[209]</sup>
3960		Unofficial			<a href="#">Warframe</a> online interaction <sup>[citation needed]</sup>
3962		Unofficial			<i>Warframe</i> online interaction <sup>[citation needed]</sup>
3978	Unofficial				<a href="#">OpenTTD</a> game (masterserver and content service)
3978	Unofficial				Palo Alto Networks' Panorama management of firewalls and log collectors & pre-PAN-OS 8.0 Panorama-to-managed devices software updates. <sup>[210]</sup>
3979	Unofficial				<i>OpenTTD</i> game
3999	Yes				Norman distributed scanning service
4000	Unofficial				<a href="#">Diablo II</a> game
4001	Unofficial				<a href="#">Microsoft Ants</a> game

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
	Unofficial				CoreOS <a href="#">etcd</a> client communication
4018	Yes				Protocol information and warnings <sup>[clarification needed]</sup>
4035	Unofficial				<a href="#">IBM</a> Rational Developer for System z Remote System Explorer Daemon
4045	Unofficial				<a href="#">Solaris</a> lockd NFS lock daemon/manager
4050	Unofficial				Mud Master Chat protocol (MMCP) – Peer-to-peer communications between <a href="#">MUD</a> clients. <sup>[211]</sup>
4069		Yes			<a href="#">Minger Email Address Verification Protocol</a> <sup>[212]</sup>
4070	Unofficial				<a href="#">Amazon Echo</a> Dot ( <a href="#">Amazon Alexa</a> ) streaming connection with <a href="#">Spotify</a> <sup>[213]</sup>
4089	Yes				OpenCORE Remote Control Service
4090	Yes				<a href="#">Kerio</a>
4093	Yes				PxPlus Client server interface <a href="#">ProvideX</a>
4096	Yes				<a href="#">Ascom Timeplex</a> Bridge Relay Element (BRE)
4105	Yes				Shofar (ShofarNexus)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
4111	Yes	Assigned			<a href="#">Xgrid<sup>[11]</sup></a>
4116	Yes				Smartcard-TLS
4123	Assigned	Yes			Z-Wave Protocol <sup>[214]</sup>
4125	Unofficial				<a href="#">Microsoft Remote Web Workplace</a> administration
4172	Yes				<a href="#">Teradici PCoIP</a>
4190	Yes				ManageSieve <sup>[215]</sup>
4195	Yes				<a href="#">AWS</a> protocol for cloud remoting solution
4197	Yes				Harman International's HControl protocol for control and monitoring of Audio, Video, Lighting and Control equipment
4198	Unofficial				Couch Potato Android app <sup>[216]</sup>
4200	Unofficial				<a href="#">Angular</a> app
4201	Unofficial				<a href="#">TinyMUD</a> and various derivatives



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
4222	Unofficial				NATS server default port <sup>[217]</sup>
4226	Unofficial				<a href="#">Aleph One</a> , a computer game
4242	Unofficial				<a href="#">Orthanc</a> – <a href="#">DICOM</a> server <sup>[218]</sup>
	Unofficial				<a href="#">Quassel</a> distributed IRC client
4243	Unofficial				<a href="#">Docker</a> implementations, redistributions, and setups default <sup>[219][needs update?]</sup>
	Unofficial				<a href="#">CrashPlan</a>
4244	Unofficial				<a href="#">Viber</a> <sup>[220]</sup>
4303	Yes				Simple Railroad Command Protocol (SRCP)
4307	Yes				TrueConf Client – TrueConf Server media data exchange <sup>[221]</sup>
4321	Yes				<a href="#">Referral Whois (RWhois) Protocol</a> <sup>[222]</sup>
4433		Unofficial			SaltoSystems - DTLS Based Communication for NCoder

Registered ports hide					
Port	TCP	UDP	SCP	DCCP	Description
4444	Unofficial				<a href="#">Oracle</a> WebCenter Content: Content Server—Intradoc Socket port. (formerly known as Oracle <a href="#">Universal Content Management</a> ).
	Unofficial				<a href="#">Metasploit</a> 's default listener port <sup>[223]</sup>
	Unofficial				<a href="#">Xvfb</a> X server virtual frame buffer service
	Unofficial				OpenOCD ( <a href="#">Telnet</a> ) <sup>[197]</sup>
4444–4445	Unofficial				<a href="#">I2P</a> HTTP/S proxy
4486	Yes				Integrated Client Message Service (ICMS)
4488	Yes	Assigned			Apple Wide Area Connectivity Service, used by <a href="#">Back to My Mac</a> <sup>[11]</sup>
4500	Assigned	Yes			<a href="#">IPSec NAT Traversal</a> <sup>[11]</sup> (RFC 3947, RFC 4306)
4502–4534	Yes				Microsoft Silverlight connectable ports under non-elevated trust
4505–4506	Unofficial				<a href="#">Salt</a> master
4534		Unofficial			<a href="#">Armagetron Advanced</a> server default

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
4560	Unofficial				default <a href="#">Log4j</a> socketappender port
4567	Unofficial				<a href="#">Sinatra</a> default server port in development mode (HTTP)
4569		Yes			<a href="#">Inter-Asterisk eXchange</a> (IAX2)
4604	Yes				<a href="#">Identity Registration Protocol</a>
4605	Yes				<a href="#">Direct End to End Secure Chat Protocol</a>
4610–4640	Unofficial				<a href="#">QualiSystems</a> TestShell Suite Services
4662	Yes				OrbitNet Message Service
	Unofficial				Default for older versions of <a href="#">eMule</a> <sup>[224]</sup>
4664	Unofficial				<a href="#">Google Desktop Search</a>
4672		Unofficial			Default for older versions of <a href="#">eMule</a> <sup>[224]</sup>
4711	Unofficial				<a href="#">eMule</a> optional web interface <sup>[224]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
4713	Unofficial				<a href="#">PulseAudio</a> sound server
4723	Unofficial				<a href="#">Appium</a> open source automation tool
4724	Unofficial				Default bootstrap port to use on device to talk to <a href="#">Appium</a>
4728	Yes				Computer Associates Desktop and Server Management (DMP)/Port Multiplexer <sup>[225]</sup>
4730	Yes				<a href="#">Gearman</a> 's job server
4739	Yes				<a href="#">IP Flow Information Export</a>
4747	Unofficial				<a href="#">Apprentice</a>
4753	Yes				SIMON (service and discovery)
4789		Yes			Virtual eXtensible Local Area Network ( <a href="#">VXLAN</a> )
4791		Yes			<a href="#">IP Routable RoCE</a> (RoCEv2)
4840	Yes				OPC UA Connection Protocol (TCP) and OPC UA Multicast Datagram Protocol (UDP) for <a href="#">OPC Unified Architecture</a> from <a href="#">OPC Foundation</a>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
4843	Yes				OPC UA TCP Protocol over TLS/SSL for <a href="#">OPC Unified Architecture</a> from <a href="#">OPC Foundation</a>
4847	Yes				Web Fresh Communication, Quadriion Software & Odorless Entertainment
4848	Unofficial				Java <a href="#">GlassFish</a> Application Server administration default
4894	Yes				<a href="#">LysKOM</a> Protocol A <sup>[226]</sup>
4944	No	Unofficial			<a href="#">DrayTek</a> DSL Status Monitoring <sup>[227]</sup>
4949	Yes				Munin Resource Monitoring Tool
4950	Yes				Cylon Controls UC32 Communications Port
5000	Unofficial				<a href="#">UPnP</a> —Windows network device interoperability
	Unofficial				<a href="#">VTun</a> , <a href="#">VPN</a> Software
	Unofficial				<a href="#">ASP.NET Core</a> — Development Webserver
		Unofficial			<a href="#">FlightGear</a> multiplayer <sup>[228]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
	Unofficial				<a href="#">Synology Inc.</a> Management Console, File Station, Audio Station
	Unofficial				<a href="#">Flask</a> Development Webserver
	Unofficial				<a href="#">Heroku</a> console access
	Unofficial				<a href="#">Docker</a> Registry <sup>[229]</sup>
	Unofficial				<a href="#">AT&amp;T U-verse public, educational, and government access</a> (PEG) streaming over <a href="#">HTTP</a> <sup>[230]</sup>
	Unofficial				<a href="#">High-Speed SECS Message Services</a> <sup>[citation needed]</sup>
	Unofficial				<a href="#">3CX Phone System</a> Management Console/Web Client (HTTP)
	Unofficial				RidgeRun GStreamer Daemon (GSTD) <sup>[231]</sup>
	Unofficial				<a href="#">Apple's AirPlay</a> Receiver <sup>[232]</sup>
	Unofficial				<a href="#">AWS Elastic Beanstalk</a> Proxy server <sup>[233]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5000–5500	No	Unofficial			<a href="#">League of Legends</a> , a <a href="#">multiplayer online battle arena</a> video game <sup>[234]</sup>
5001	Unofficial				<a href="#">Slingbox</a> and Slingplayer
	Unofficial				<a href="#">Iperf</a> (Tool for measuring TCP and UDP bandwidth performance)
	Unofficial				<a href="#">Synology Inc.</a> Secured Management Console, File Station, Audio Station
	Unofficial				<a href="#">3CX Phone System</a> Management Console/Web Client (HTTPS)
5002	Unofficial				ASSA ARX access control system <sup>[235]</sup>
5003	Yes	Assigned			<a href="#">FileMaker</a> – name binding and transport <sup>[11]</sup>
5004	Yes			Yes	<a href="#">Real-time Transport Protocol</a> media data (RTP) (RFC 3551, RFC 4571)
5005	Yes			Yes	<a href="#">Real-time Transport Protocol control protocol</a> (RTCP) (RFC 3551, RFC 4571)
5007	Unofficial				Palo Alto Networks – User-ID agent

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5010	Yes				Registered to: TelePath (the IBM FlowMark <a href="#">workflow-management system</a> messaging platform) <sup>[236]</sup> The TCP port is now used for: IBM <a href="#">WebSphere MQ</a> Workflow
5011	Yes				TelePath (the IBM FlowMark <a href="#">workflow-management system</a> messaging platform) <sup>[236]</sup>
5022	Unofficial				MSSQL Server Replication and Database mirroring endpoints <sup>[237]</sup>
5025	Yes				scpi-raw <a href="#">Standard Commands for Programmable Instruments</a>
5029		Unofficial			<a href="#">Sonic Robo Blast 2</a> and Sonic Robo Blast 2 Kart servers
5031	Unofficial				AVM CAPI-over-TCP ( <a href="#">ISDN</a> over <a href="#">Ethernet</a> tunneling) <sup>[citation needed]</sup>
5037	Unofficial				Android ADB server
5044	Yes				Standard port in Filebeats/Logstash implementation of Lumberjack protocol.
5048	Yes				Texai Message Service



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5050	Unofficial				<a href="#">Yahoo! Messenger</a>
5051	Yes				ita-agent <a href="#">Symantec</a> Intruder Alert <sup>[238]</sup>
5060	Yes				<a href="#">Session Initiation Protocol</a> (SIP) <sup>[11]</sup>
5061	Yes <sup>[239]</sup>				<a href="#">Session Initiation Protocol</a> (SIP) over <a href="#">TLS</a>
5062	Yes				Localisation access
5064	Yes				<a href="#">EPICS</a> Channel Access server <sup>[240]</sup>
5065	Assigned	Yes			EPICS Channel Access repeater beacon <sup>[240]</sup>
5070	Unofficial	No			<a href="#">Binary Floor Control Protocol</a> (BFCP) <sup>[241]</sup>
5080	Unofficial				<a href="#">NEC Phone System</a> SV8100 and SV9100 MLC phones: default iSIP port
5084	Yes				<a href="#">EPCglobal</a> Low Level Reader Protocol ( <a href="#">LLRP</a> )
5085	Yes				EPCglobal Low Level Reader Protocol ( <a href="#">LLRP</a> ) over <a href="#">TLS</a>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5090	Unofficial				<a href="#">3CX Phone System</a> 3CX Tunnel Protocol, 3CX App API, 3CX Session Border Controller
5093		Yes			<a href="#">SafeNet, Inc</a> Sentinel LM, Sentinel RMS, License Manager, client-to-server
5099	Yes				SafeNet, Inc Sentinel LM, Sentinel RMS, License Manager, server-to-server
5104	Unofficial				<a href="#">IBM Tivoli Framework</a> NetCOOL/Impact <sup>[242]</sup> <a href="#">HTTP</a> Service
5121	Unofficial				<a href="#">Neverwinter Nights</a>
5150	Yes				ATMP Ascend Tunnel Management Protocol <sup>[243]</sup>
5151	Yes				<a href="#">ESRI</a> SDE Instance
		Yes			ESRI SDE Remote Start
5154	Yes				<a href="#">BZFlag</a>
5172	Yes				PC over IP Endpoint Management <sup>[244]</sup>
5173	Unofficial				Vite <sup>[245]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5190	Yes				<a href="#">AOL Instant Messenger</a> protocol. <sup>[11]</sup> The chat app is defunct as of 15 December 2017. <sup>[246]</sup>
5198		Unofficial			<a href="#">EchoLink</a> VoIP Amateur Radio Software (Voice)
5199		Unofficial			EchoLink VoIP Amateur Radio Software (Voice)
5200	Unofficial				EchoLink VoIP Amateur Radio Software (Information)
5201	Unofficial				<a href="#">Iperf3</a> (Tool for measuring TCP and UDP bandwidth performance)
5222	Yes	Reserved			<a href="#">Extensible Messaging and Presence Protocol</a> (XMPP) client connection <sup>[11][247][248]</sup>
5223	Unofficial				<a href="#">Apple Push Notification Service</a> <sup>[11][165]</sup>
	Unofficial				Extensible Messaging and Presence Protocol (XMPP) client connection over <a href="#">SSL</a>
5228	Yes				HP Virtual Room Service
	Unofficial				<a href="#">Google Play</a> , <a href="#">Android Cloud to Device Messaging Service</a> , <a href="#">Google Cloud Messaging</a>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5231	Yes				Remote Control of Scan Software for <a href="#">Cruse</a> Scanners <sup>[249]</sup>
5232	Yes				<a href="#">Cruse</a> Scanning System Service <sup>[250]</sup>
	Unofficial				<a href="#">Silicon Graphics</a> Distributed Graphics Library daemon (dgld) <sup>[251][252][253]</sup>
5235–5236	Unofficial				<a href="#">Firebase Cloud Messaging</a> <sup>[254]</sup>
5242	Unofficial				<a href="#">Viber</a> <sup>[220]</sup>
5243	Unofficial				Viber <sup>[220]</sup>
5246		Yes			Control And Provisioning of Wireless Access Points ( <a href="#">CAPWAP</a> ) CAPWAP control <sup>[251]</sup>
5247		Yes			Control And Provisioning of Wireless Access Points (CAPWAP) CAPWAP data <sup>[255]</sup>
5269	Yes				Extensible Messaging and Presence Protocol (XMPP) server-to-server connection <sup>[11][247][248]</sup>
5280	Yes				Extensible Messaging and Presence Protocol (XMPP) <sup>[256]</sup>
5281	Unofficial				Extensible Messaging and Presence Protocol (XMPP) <sup>[257]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5298	Yes				Extensible Messaging and Presence Protocol (XMPP) <sup>[258]</sup>
5310	Assigned	Yes			<a href="#">Outlaws</a> , a 1997 first-person shooter video game <sup>[259]</sup>
5318	Yes	Reserved			<a href="#">Certificate Management over CMS</a> <sup>[260]</sup>
5349	Yes				<a href="#">STUN</a> over <a href="#">TLS/DTLS</a> , a protocol for <a href="#">NAT traversal</a> <sup>[199]</sup>
	Yes				<a href="#">TURN</a> over TLS/DTLS, a protocol for NAT traversal <sup>[200]</sup>
	Yes	Reserved			STUN Behavior Discovery over TLS. <sup>[201]</sup> See also port 3478.
5351	Reserved	Yes			<a href="#">NAT Port Mapping Protocol</a> and <a href="#">Port Control Protocol</a> —client-requested configuration for connections through <a href="#">network address translators</a> and <a href="#">firewalls</a>
5353	Assigned	Yes			<a href="#">Multicast DNS</a> (mDNS) <sup>[111]</sup>
5355	Yes				<a href="#">Link-Local Multicast Name Resolution</a> (LLMNR), allows <a href="#">hosts</a> to perform <a href="#">name resolution</a> for hosts on the same <a href="#">local link</a> (only provided by <a href="#">Windows Vista</a> and <a href="#">Server 2008</a> )

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5357	Unofficial				<a href="#">Web Services for Devices</a> (WSDAPI) (only provided by Windows Vista, Windows 7 and Server 2008)
5358	Unofficial				<a href="#">WSDAPI</a> Applications to Use a Secure Channel (only provided by Windows Vista, Windows 7 and Server 2008)
5394		Unofficial			Kega Fusion, a Sega multi-console emulator <sup>[261][262]</sup>
5402	Yes				<a href="#">Multicast File Transfer Protocol</a> (MFTP) <sup>[263][importance?]</sup>
5405	Yes				<a href="#">NetSupport Manager</a>
5412	Yes				<a href="#">IBM</a> Rational Synergy ( <a href="#">Telelogic Synergy</a> ) (Continuous CM) Message Router
5413	Yes				<a href="#">Wonderware</a> SuiteLink service
5417	Yes				SNS Agent
5421	Yes				<a href="#">NetSupport Manager</a>
5432	Yes	Assigned			<a href="#">PostgreSQL</a> <sup>[11]</sup> database system
5433	Unofficial				Bouwsoft file/webserver <sup>[264]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5445		Unofficial			Cisco Unified Video Advantage <sup>[citation needed]</sup>
5450	Unofficial				<a href="#">OSIsoft</a> PI Server Client Access <sup>[265]</sup>
5457	Unofficial				<a href="#">OSIsoft</a> PI Asset Framework Client Access <sup>[266]</sup>
5458	Unofficial				<a href="#">OSIsoft</a> PI Notifications Client Access <sup>[267]</sup>
5480	Unofficial				<a href="#">VMware</a> VAMI (Virtual Appliance Management Infrastructure)—used for initial setup of various administration settings on Virtual Appliances designed using the VAMI architecture.
5481	Unofficial				<a href="#">Schneider Electric</a> 's ClearSCADA ( <a href="#">SCADA</a> implementation for Windows) — used for client-to-server communication. <sup>[268]</sup>
5495	Unofficial				<a href="#">IBM Cognos TM1</a> Admin server
5498	Unofficial				<a href="#">Hotline</a> tracker server connection
5499		Unofficial			Hotline tracker server discovery

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5500	Unofficial				Hotline control connection
	Unofficial				<a href="#">VNC</a> Remote Frame Buffer <a href="#">RFB protocol</a> —for incoming listening viewer
5501	Unofficial				Hotline file transfer connection
5517	Unofficial				<a href="#">Setiqueue</a> Proxy server client for <a href="#">SETI@Home</a> project
5550	Unofficial				<a href="#">Hewlett-Packard</a> Data Protector <sup>[<a href="#">citation needed</a>]</sup>
5554	Unofficial				<a href="#">Fastboot</a> default wireless port
5555	Unofficial				<a href="#">Oracle</a> WebCenter Content: Inbound Refinery—Intradoc Socket port. (formerly known as Oracle <a href="#">Universal Content Management</a> ). Port though often changed during installation
	Unofficial				<a href="#">Freeciv</a> versions up to 2.0, <a href="#">Hewlett-Packard</a> Data Protector, <a href="#">McAfee EndPoint Encryption</a> Database Server, <a href="#">SAP</a> , Default for Microsoft Dynamics CRM 4.0, Softether VPN default port
	Unofficial				Wireless <a href="#">adb</a> (Android Debug Bridge) control of an <a href="#">Android</a> device over the network.



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5556	Yes				<a href="#">FreeCiv</a> , Oracle WebLogic Server Node Manager <sup>[269]</sup>
5568	Yes				Session Data Transport (SDT), a part of <a href="#">Architecture for Control Networks</a> (ACN) <sup>[270][full citation needed]</sup>
5601	Unofficial				<a href="#">Kibana</a> <sup>[271]</sup>
5631	Yes				pcANYWHEREdata, <a href="#">Symantec pcAnywhere</a> (version 7.52 and later <sup>[272][273]</sup> ) data
5632		Yes			pcANYWHEREstat, Symantec pcAnywhere (version 7.52 and later) status
5656	Unofficial				<a href="#">IBM Lotus Sametime</a> p2p file transfer
5666	Unofficial				<a href="#">NRPE</a> ( <a href="#">Nagios</a> )
5667	Unofficial				NSCA ( <a href="#">Nagios</a> )
5670	Yes				<a href="#">FILEMQ</a> ZeroMQ File Message Queuing Protocol
		Yes			<a href="#">ZRE-DISC</a> ZeroMQ Realtime Exchange Protocol (Discovery)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5671	Yes	Assigned			<a href="#">Advanced Message Queuing Protocol</a> (AMQP) <sup>[274]</sup> over <a href="#">TLS</a>
5672	Yes	Assigned	Yes		Advanced Message Queuing Protocol (AMQP) <sup>[274]</sup>
5678	Unofficial	No			<a href="#">n8n</a> <sup>[275]</sup>
	No	Yes			<a href="#">MikroTik</a> Neighbor Discovery Protocol <sup>[276][277]</sup>
5683	Yes				<a href="#">Constrained Application Protocol</a> (CoAP)
5684	Yes				Constrained Application Protocol Secure (CoAPs)
5693	Unofficial				<a href="#">Nagios</a> Cross Platform Agent (NCPA) <sup>[278]</sup>
5701	Unofficial				<a href="#">Hazelcast</a> default communication port <sup>[279]</sup>
5718	Unofficial				Microsoft DPM Data Channel (with the agent coordinator)
5719	Unofficial				Microsoft DPM Data Channel (with the protection agent)
5722	Yes				Microsoft RPC, DFSR (SYSVOL) Replication Service <sup>[citation needed]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5723	Unofficial				<a href="#">System Center Operations Manager</a> <sup>[280]</sup>
5724	Unofficial				Operations Manager Console
5741	Yes				IDA Discover Port 1
5742	Yes				IDA Discover Port 2
5800	Unofficial				<a href="#">VNC</a> Remote Frame Buffer <a href="#">RFB protocol</a> over <a href="#">HTTP</a>
	Unofficial				<a href="#">ProjectWise Server</a> <sup>[281]</sup>
5900	Yes				<a href="#">Remote Frame Buffer protocol</a> (RFB)
	Unofficial				<a href="#">Virtual Network Computing</a> (VNC) Remote Frame Buffer <a href="#">RFB protocol</a> <sup>[11][282]</sup>
5905	Unofficial				Windows service "C:\Program Files\Intel\Intel(R) Online Connect Access\IntelTechnologyAccessService.exe" that listens on 127.0.0.1
5931	Yes				<a href="#">AMMY</a> admin Remote Control
5938	Unofficial				<a href="#">TeamViewer</a> remote desktop protocol <sup>[283]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
5984	Yes				<a href="#">CouchDB</a> database server
5985	Yes				<a href="#">Windows PowerShell</a> Default psSession Port <sup>[284]</sup> <a href="#">Windows Remote Management Service</a> (WinRM-HTTP) <sup>[285]</sup>
5986	Yes				Windows PowerShell Default psSession Port <sup>[284]</sup> <a href="#">Windows Remote Management Service</a> (WinRM-HTTPS) <sup>[285]</sup>
5988–5989	Yes				<a href="#">CIM-XML</a> (DMTF Protocol) <sup>[286]</sup>
6000–6063	Yes				<a href="#">X11</a> —used between an X client and server over the network
6005	Unofficial				Default for <a href="#">BMC Software Control-M/Server</a> —Socket used for communication between Control-M processes—though often changed during installation
	Unofficial				Default for <a href="#">Camfrog</a> chat & cam client
6009	Unofficial				<a href="#">JD Edwards EnterpriseOne</a> ERP system JDENet messaging client listener
6024–6025		Unofficial			Tigermeeting Android client discovery <sup>[287]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
6026	Unofficial				Tigermeeting client/server communication <sup>[287]</sup>
6030-6031		Unofficial			Tigermeeting Admin user discovery <sup>[287]</sup>
6050	Unofficial				<a href="#">Arcserve</a> backup
6051	Unofficial				Arcserve backup
6086	Yes				<a href="#">Peer Distributed Transfer Protocol</a> (PDTP), FTP like file server in a P2P network
6100	Unofficial				<a href="#">Vizrt</a> System
	Unofficial				<a href="#">Ventrilo</a> authentication for version 3
6101	Unofficial				Backup Exec Agent Browser <sup>[citation needed]</sup>
6110	Yes				softcm, <a href="#">HP Softbench</a> CM
6111	Yes				spc, <a href="#">HP Softbench</a> Sub-Process Control

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
6112	Yes				dtspcd, execute commands and launch applications remotely
	Unofficial				<a href="#">Blizzard's Battle.net</a> gaming service and some games, <sup>[130]</sup> <a href="#">ArenaNet</a> gaming service, <a href="#">Relic</a> gaming service
	Unofficial				<a href="#">Club Penguin</a> Disney online game for kids
6113	Unofficial				<a href="#">Club Penguin</a> Disney online game for kids, Used by some <a href="#">Blizzard</a> games <sup>[130]</sup>
6136	Unofficial				<a href="#">ObjectDB</a> database server <sup>[288]</sup>
6159	Yes				<a href="#">ARINC</a> 840 <a href="#">EFB</a> Application Control Interface
6160	Unofficial				<a href="#">Veeam</a> Installer Service
6161	Unofficial				<a href="#">Veeam</a> vPower NFS Service
6162	Unofficial				<a href="#">Veeam</a> Data Mover
6163	Unofficial				<a href="#">Veeam</a> Hyper-V Integration Service

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
6164	Unofficial				<a href="#">Veeam</a> WAN Accelerator
6165	Unofficial				<a href="#">Veeam</a> WAN Accelerator Data Transfer
6167	Unofficial				<a href="#">Veeam</a> Log Shipping Service
6170	Unofficial				<a href="#">Veeam</a> Mount Server
6200	Unofficial				<a href="#">Oracle WebCenter</a> Content Portable: Content Server (With Native UI) and Inbound Refinery
6201	Assigned				Thermo-Calc Software AB: Management of service nodes in a processing grid for thermodynamic calculations
	Unofficial				Oracle WebCenter Content Portable: Admin
6225	Unofficial				Oracle WebCenter Content Portable: Content Server Web UI
6227	Unofficial				Oracle WebCenter Content Portable: JavaDB
6240	Unofficial				Oracle WebCenter Content Portable: Capture

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
6244	Unofficial				Oracle WebCenter Content Portable: Content Server—Intradoc Socket port
6255	Unofficial				Oracle WebCenter Content Portable: Inbound Refinery—Intradoc Socket port
6257		Unofficial			<a href="#">WinMX</a> (see also 6699)
6260	Unofficial				planet M.U.L.E.
6262	Unofficial				Sybase <a href="#">Advantage Database Server</a>
6343		Yes			<a href="#">SFlow</a> , sFlow traffic monitoring
6346	Yes				<a href="#">gnutella-svc</a> , gnutella ( <a href="#">FrostWire</a> , <a href="#">Limewire</a> , <a href="#">Shareaza</a> , etc.)
6347	Yes				gnutella-rtr, Gnutella alternate
6350	Yes				App Discovery and Access Protocol
6379	Yes				<a href="#">Redis</a> key-value data store
6389	Unofficial				<a href="#">EMC CLARiON</a>



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
6432	Yes				PgBouncer—A connection pooler for PostgreSQL
6436	Unofficial				<a href="#">Leap Motion</a> Websocket Server TLS
6437	Unofficial				Leap Motion Websocket Server
6443	Yes				<a href="#">Kubernetes</a> API server <sup>[289]</sup>
6444	Yes				<a href="#">Sun Grid Engine</a> Qmaster Service
6445	Yes				Sun Grid Engine Execution Service
6454		Unofficial			<a href="#">Art-Net</a> protocol
6463–6472	Unofficial				<a href="#">Discord</a> RPC <sup>[290]</sup>
6464	Yes				Port assignment for medical device communication in accordance to <a href="#">IEEE 11073-20701</a>
6513	Yes				<a href="#">NETCONF</a> over <a href="#">TLS</a>
6514	Yes				Syslog over TLS <sup>[291]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
6515	Yes				<a href="#">Elipse</a> RPC Protocol (REC)
6516	Unofficial				<a href="#">Windows Admin Center</a>
6543	Unofficial				<a href="#">Pylons project#Pyramid</a> Default Pylons Pyramid web service port
6556	Unofficial				<a href="#">Check MK</a> Agent
6566	Yes				<a href="#">SANE</a> (Scanner Access Now Easy)—SANE network scanner daemon <sup>[292]</sup>
6560–6561	Unofficial				<a href="#">Speech-Dispatcher</a> daemon <sup>[citation needed]</sup>
6571	Unofficial				<a href="#">Windows Live FolderShare</a> client
6600	Yes				Microsoft <a href="#">Hyper-V</a> Live
	Unofficial				<a href="#">Music Player Daemon</a> (MPD)
6601	Yes				<a href="#">Microsoft Forefront Threat Management Gateway</a>
6602	Yes				Microsoft Windows WSS Communication

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
6619	Yes				odette-ftp, <a href="#">Odette File Transfer Protocol (OFTP)</a> over <a href="#">TLS/SSL</a>
6622	Yes				Multicast FTP
6626	Yes				Semaphore Messenger
6653	Yes	Assigned			<a href="#">OpenFlow</a> <sup>[<i>citation needed</i>]</sup>
6660–6664	Unofficial				<a href="#">Internet Relay Chat</a> (IRC)
6665–6669	Yes				Internet Relay Chat (IRC)
6679	Yes				Osorno Automation Protocol (OSAUT)
	Unofficial				Internet Relay Chat (IRC) <a href="#">SSL</a> (Secure Internet Relay Chat)—often used
6690	Unofficial				Synology Cloud station
6697	Yes				IRC SSL (Secure Internet Relay Chat)—often used
6699	Unofficial				<a href="#">WinMX</a> (see also 6257)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
6715	Unofficial				AberMUD and derivatives default port
6771		Unofficial			BitTorrent <a href="#">Local Peer Discovery</a>
6783–6785	Unofficial				<a href="#">Splashtop Remote</a> server broadcast
6801	Yes				ACNET Control System Protocol
6881–6887	Unofficial				<a href="#">BitTorrent</a> beginning of range of ports used most often
6888	Yes				MUSE
	Unofficial				BitTorrent continuation of range of ports used most often
6889–6890	Unofficial				BitTorrent continuation of range of ports used most often
6891–6900	Unofficial				BitTorrent continuation of range of ports used most often
6891–6900	Unofficial				<a href="#">Windows Live Messenger</a> (File transfer)
6901	Unofficial				Windows Live Messenger (Voice)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
	Unofficial				BitTorrent continuation of range of ports used most often
6902–6968	Unofficial				BitTorrent continuation of range of ports used most often
6924	Yes				split-ping, ping with RX/TX latency/loss split
6935	Yes				EthoScan Service
6936	Yes				XenSource Management Service
6969	Yes				acmsoda
	Unofficial 1				<a href="#">BitTorrent tracker</a>
6970–6999	Unofficial				BitTorrent end of range of ports used most often
		Unofficial 1			<a href="#">QuickTime Streaming Server<sup>[1]</sup></a>
6980		Unofficial 1			<a href="#">Voicemeeter</a> VBAN network audio protocol <sup>[293]</sup>
7000	Unofficial 1				Default for <a href="#">Vuze</a> 's built-in <a href="#">HTTPS</a> Bittorrent tracker

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
	Unofficial				<a href="#">Avira</a> Server Management Console
7001	Unofficial				Avira Server Management Console
	Unofficial				Default for <a href="#">BEA WebLogic Server</a> 's <a href="#">HTTP</a> server, though often changed during installation
7002	Unofficial				Default for BEA WebLogic Server's HTTPS server, though often changed during installation
7005	Unofficial				Default for <a href="#">BMC Software Control-M/Server</a> and Control-M/Agent for Agent-to-Server, though often changed during installation
7006	Unofficial				Default for BMC Software Control-M/Server and Control-M/Agent for Server-to-Agent, though often changed during installation
7010	Unofficial				Default for Cisco AON AMC (AON Management Console) <sup>[294]</sup>
7022	Unofficial				MSSQL Server Replication and Database mirroring endpoints <sup>[237]</sup>
7023		Yes			Bryan Wilcutt T2-NMCS Protocol for SatCom Modems

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
7025	Unofficial				Zimbra <a href="#">LMTP</a> [mailbox]—local mail delivery
7047	Unofficial				<a href="#">Zimbra</a> conversion server
7070	Unofficial				<a href="#">Real Time Streaming Protocol</a> (RTSP), used by <a href="#">QuickTime Streaming Server</a> . TCP is used by default, UDP is used as an alternate. <sup>[11]</sup>
7077	Yes				Development-Network Authentication-Protocol
7133	Unofficial				<a href="#">Enemy Territory: Quake Wars</a>
7144	Unofficial				Peercast <sup>[citation needed]</sup>
7145	Unofficial				Peercast <sup>[citation needed]</sup>
7171	Unofficial				<a href="#">Tibia</a>
7262	Yes				CNAP (Calypso Network Access Protocol)
7272	Yes				WatchMe – WatchMe Monitoring

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
7306	Unofficial				Zimbra mysql [mailbox] <sup>[citation needed]</sup>
7307	Unofficial				Zimbra mysql [logger] <sup>[citation needed]</sup>
7312		Unofficial			<a href="#">Sibelius</a> License Server
7396	Unofficial				Web control interface for <a href="#">Folding@home v7.3.6</a> and later <sup>[295]</sup>
7400	Yes				RTPS (Real Time Publish Subscribe) <a href="#">DDS</a> Discovery
7401	Yes				RTPS (Real Time Publish Subscribe) <a href="#">DDS</a> User-Traffic
7402	Yes				RTPS (Real Time Publish Subscribe) <a href="#">DDS</a> Meta-Traffic
7471	Unofficial				Stateless Transport Tunneling (STT)
7473	Yes				<a href="#">Rise: The Vieneo Province</a>
7474	Yes				Neo4J Server webadmin <sup>[296]</sup>
7478	Yes				Default port used by <a href="#">Open iT</a> Server. <sup>[297]</sup>



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
7542	Yes				<i>Saratoga</i> file transfer protocol <sup>[298][299]</sup>
7547	Yes				CPE WAN Management Protocol (CWMP) <a href="#">Technical Report 069</a>
7575		Unofficial			<a href="#">Populous: The Beginning</a> server
7624	Yes				<a href="#">Instrument Neutral Distributed Interface</a>
7631	Yes				ERLPhase
7634	Unofficial				hddtemp—Utility to monitor hard drive temperature
7652–7654	Unofficial				<a href="#">I2P</a> anonymizing overlay network
7655		Unofficial			I2P SAM Bridge Socket API
7656–7660	Unofficial				I2P anonymizing overlay network
7659	Unofficial				<a href="#">Polypheny</a> User Interface (database system)
7670	Unofficial				<a href="#">BrettspielWelt</a> BSW Boardgame Portal

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
7680	Unofficial				Delivery Optimization for <a href="#">Windows 10</a> <sup>[300]</sup>
7687	Yes				<a href="#">Bolt</a> database connection
7707–7708		Unofficial			<a href="#">Killing Floor</a>
7717		Unofficial			<i>Killing Floor</i>
7777	Unofficial				<a href="#">iChat</a> server file transfer proxy <sup>[11]</sup>
	Unofficial				Oracle Cluster File System 2 <sup>[citation needed]</sup>
	Unofficial				Windows backdoor program tini.exe default <sup>[citation needed]</sup>
	Unofficial				<i>Just Cause 2: Multiplayer Mod Server</i> <sup>[citation needed]</sup>
	Unofficial				<a href="#">Terraria</a> default server
		Unofficial			<i>San Andreas Multiplayer</i> (SA-MP) default port server

Registered ports hide					
Port	TCP	UDP	SCP	DCCP	Description
		Unofficial			<i>SCP: Secret Laboratory</i> Multiplayer Server
7777–7788	Yes				<i>Steam</i> common default game server ports (Ark, L4D2, etc.) <sup>[<a href="#">citation needed</a>]</sup>
7777–7788	Unofficial				<i>Unreal Tournament</i> series default server <sup>[<a href="#">citation needed</a>]</sup>
7831	Unofficial				Default used by Smartlaunch Internet Cafe Administration <sup>[<a href="#">301</a>]</sup> software
7880	Unofficial				PowerSchool Gradebook Server <sup>[<a href="#">citation needed</a>]</sup>
7890	Unofficial				Default that will be used by the iControl Internet Cafe Suite Administration software
7915	Unofficial				Default for YSFlight server <sup>[<a href="#">302</a>]</sup>
7935	Unofficial				Fixed port used for Adobe Flash Debug Player to communicate with a debugger (Flash IDE, Flex Builder or fdb). <sup>[<a href="#">303</a>]</sup>
7946	Unofficial				Docker Swarm communication among nodes <sup>[<a href="#">172</a>]</sup>
7979		Unofficial			Used by SilverBluff Studios for communication between servers and clients. <sup>[<a href="#">citation needed</a>]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
7990	Unofficial				Atlassian <a href="#">Bitbucket</a> (default port) <sup>[citation needed]</sup>
8000	Unofficial				Commonly used for Internet radio streams such as <a href="#">SHOUTcast</a> <sup>[citation needed]</sup> , <a href="#">Icecast</a> <sup>[304]</sup> and <a href="#">iTunes Radio</a> <sup>[11]</sup>
	Unofficial				<a href="#">DynamoDB Local</a> <sup>[305]</sup>
	Unofficial				<a href="#">Django</a> Development Webserver <sup>[306]</sup>
	Unofficial				<a href="#">Python 3</a> http.server <sup>[307]</sup>
8005	Unofficial				<a href="#">Tomcat</a> remote shutdown <sup>[11]</sup>
	Unofficial				<a href="#">PLATO</a> ASCII protocol (RFC 600)
	Unofficial				Windows SCCM HTTP listener service <sup>[308]</sup>
8006	Unofficial				<a href="#">Quest AppAssure 5 API</a> <sup>[309]</sup>
	Unofficial	No			<a href="#">Proxmox Virtual Environment</a> admin web interface <sup>[310]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
8007	Unofficial				Quest AppAssure 5 Engine <sup>[309]</sup>
8007	Yes				<a href="#">Proxmox Backup Server</a> admin web interface
8008	Unofficial				Alternative port for <a href="#">HTTP</a> . See also ports 80 and 8080.
	Unofficial				<a href="#">IBM HTTP Server</a> administration default <sup>[importance?]</sup>
	Unofficial				<a href="#">iCal</a> , a calendar application by <a href="#">Apple</a> <sup>[11]</sup>
	Unofficial	No			<a href="#">Matrix</a> homeserver federation over HTTP <sup>[311]</sup>
8009	Unofficial				<a href="#">Apache JServ Protocol</a> (ajp13) <sup>[citation needed]</sup>
8010	Unofficial	No			<a href="#">Buildbot</a> web status page <sup>[citation needed]</sup>
8042	Unofficial				<a href="#">Orthanc</a> – REST API over HTTP <sup>[218]</sup>
8061	Yes	Reserved			Nikatron Device Protocol (nikatron-dev)
8069	Unofficial				<a href="#">OpenERP</a> 5.0 XML-RPC protocol <sup>[312]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
8070	Unofficial				OpenERP 5.0 NET-RPC protocol <sup>[312]</sup>
8074	Yes				<a href="#">Gadu-Gadu</a>
8075	Unofficial				<i>Killing Floor</i> web administration interface <sup>[citation needed]</sup>
8080	Yes				Alternative port for <a href="#">HTTP</a> . See also ports 80 and 8008.
	Unofficial				<a href="#">Apache Tomcat</a> <sup>f[313]</sup>
	Unofficial				<a href="#">Atlassian JIRA</a> applications <sup>[314]</sup>
8081	Yes				Sun Proxy Admin Service <sup>[315]</sup>
8088	Unofficial				<a href="#">Asterisk</a> management access via HTTP <sup>[citation needed]</sup>
	Unofficial				<a href="#">YARN</a> ResourceManager Web UI <sup>[316]</sup>
8089	Unofficial	No			<a href="#">Splunk</a> daemon management <sup>[317]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
	Unofficial				<a href="#">Fritz!Box</a> automatic <a href="#">TR-069</a> configuration <sup>[318]</sup>
8090	Unofficial				<a href="#">Atlassian Confluence</a> <sup>[319]</sup>
	Unofficial				Coral Content Distribution Network (legacy; 80 and 8080 now supported) <sup>[320]</sup>
	Unofficial				Matrix identity server <sup>[citation needed]</sup>
8091	Unofficial				<a href="#">CouchBase</a> web administration <sup>[321]</sup>
8092	Unofficial				CouchBase API <sup>[321]</sup>
8096	Unofficial				<a href="#">Emby</a> and <a href="#">Jellyfin</a> HTTP port <sup>[322]</sup>
8100	Unofficial				SaltoSystems - Pro Access Space Service
	Unofficial				BlueMap, a 3D Minecraft web viewer and mapping tool
8102	Unofficial				SaltoSystems - Used for LocalIO-Bridge for USB-Devices
8111	Unofficial				<a href="#">IOSM</a> Remote Control

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
8112	Unofficial				PAC Pacifica Coin
8116		Unofficial			<a href="#">Check Point</a> Cluster Control Protocol
8118	Yes				<a href="#">Privoxy</a> —advertisement-filtering Web proxy
8123	Unofficial				<a href="#">Polipo</a> Web proxy
	Unofficial				<a href="#">Home Assistant</a> Home automation
	Unofficial				BURST P2P <sup>[323]</sup>
	Unofficial				<a href="#">Minecraft</a> Dynmap plugin/mod
8124	Unofficial				Standard BURST Mining Pool Software Port
8125	Unofficial				BURST Web Interface
8139	Unofficial				<a href="#">Puppet (software)</a> Client agent



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
8140	Yes				Puppet (software) Master server
8172	Unofficial				<a href="#">Microsoft</a> Remote Administration for IIS Manager <sup>[324]</sup>
8184	Unofficial				<a href="#">NCSA Brown Dog</a> Data Access Proxy
8194–8195	Yes				<a href="#">Bloomberg Terminal</a> <sup>[325]</sup>
8200	Unofficial				<a href="#">GoToMyPC</a>
	Unofficial				MiniDLNA media server Web Interface
	Unofficial				Elastic APM Server
8222	Unofficial				<a href="#">VMware</a> VI Web Access via HTTP <sup>[326]</sup>
8236	Unofficial				jRCS listener for <a href="#">Rocket Software</a> jBASE Remote Connectivity Server <sup>[327]</sup>
8243	Yes				<a href="#">HTTPS</a> listener for <a href="#">Apache Synapse</a> <sup>[328]</sup>
8245	Unofficial				<a href="#">Dynamic DNS</a> for at least <a href="#">No-IP</a> and DynDNS <sup>[329]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
8280	Yes				<a href="#">HTTP</a> listener for <a href="#">Apache Synapse</a> <sup>[328]</sup>
8281	Unofficial				HTTP Listener for Gatecraft Plugin
8291	Unofficial				Winbox—Default on a MikroTik RouterOS for a Windows application used to administer MikroTik RouterOS <sup>[330]</sup>
8303		Unofficial			<a href="#">Teeworlds</a> Server
8332	Unofficial				<a href="#">Bitcoin JSON-RPC</a> server <sup>[331]</sup>
8333	Unofficial				<a href="#">Bitcoin</a> <sup>[332]</sup>
	Unofficial				<a href="#">VMware</a> VI Web Access via HTTPS <sup>[326]</sup>
8334	Unofficial				<a href="#">Filestash</a> server (default) <sup>[333]</sup>
8337	Unofficial				VisualSVN Distributed File System Service (VDFS) <sup>[334]</sup>
8384	Unofficial				<a href="#">Syncthing</a> web GUI

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
8388	Unofficial				<a href="#">Shadowsocks</a> proxy server <sup>[citation needed]</sup>
8400	Yes				Commvault Communications Service <sup>[335]</sup> (GxCVD, found in all client computers)
8401	Yes				Commvault Server Event Manager (GxEvMgrS, available in CommServe)
8403	Yes				Commvault Firewall (GxFWD, tunnel port for HTTP/HTTPS)
8443	Unofficial				<a href="#">SW Soft Plesk</a> Control Panel
	Unofficial				<a href="#">Apache Tomcat</a> SSL
	Unofficial				Promise WebPAM SSL
	Unofficial				<a href="#">iCal</a> over <a href="#">SSL</a> <sup>[11]</sup>
	Unofficial				<a href="#">MineOs</a> WebUi
8444	Unofficial				<a href="#">Bitmessage</a>

Registered ports hide					
Port	TCP	UDP	SCP	DCCP	Description
	Unofficial				<a href="#">Chia</a> <sup>[336]</sup>
8448	Yes				Matrix homeserver federation over HTTPS <sup>[311]</sup>
8484	Unofficial				<a href="#">MapleStory</a> Login Server
8500	Unofficial				<a href="#">Adobe ColdFusion</a> built-in web server <sup>[337]</sup>
8530	Unofficial				<a href="#">Windows Server Update Services</a> over <a href="#">HTTP</a> , when using the default role installation settings in Windows Server 2012 and later versions. <sup>[338][339]</sup>
8531	Unofficial				<a href="#">Windows Server Update Services</a> over <a href="#">HTTPS</a> , when using the default role installation settings in Windows Server 2012 and later versions. <sup>[338][339]</sup>
8555	Unofficial				Symantec DLP OCR Engine <sup>[340]</sup>
	Unofficial				<a href="#">Chia JSON-RPC</a> server <sup>[341]</sup>
8580	Unofficial				<a href="#">Freerate</a> , an Internet <a href="#">anonymizer</a> and proxy tool <sup>[342]</sup>
8611–8614	Yes				<a href="#">Canon</a> BubbleJet Network Protocol <sup>[343]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
8629	Unofficial				Tibero database <sup>[citation needed]</sup>
8642	Unofficial				<a href="#">Lotus Notes Traveler</a> auto synchronization for Windows Mobile and Nokia devices <sup>[344]</sup>
8691	Unofficial				<a href="#">Ultra Fractal</a> , a <a href="#">fractal</a> generation and rendering <a href="#">software application</a> – distributed calculations over networked computers <sup>[345][346]</sup>
8765	Unofficial	No			Default port of a local GUN relay peer that the <a href="#">Internet Archive</a> <sup>[347]</sup> and others use as a decentralized mirror for censorship resistance. <sup>[348]</sup>
8767		Unofficial			Voice channel of <a href="#">TeamSpeak 2</a> , <sup>[349]</sup> a proprietary <a href="#">Voice over IP</a> protocol targeted at <a href="#">gamers</a> <sup>[citation needed]</sup>
8834	Unofficial				<a href="#">Nessus</a> , a <a href="#">vulnerability scanner</a> – remote <a href="#">XML-RPC</a> web server <sup>[350][third-party source needed]</sup>
8840	Unofficial				<a href="#">Opera Unite</a> , an extensible <a href="#">framework</a> for web applications <sup>[351][352]</sup>
8880	Yes				Alternate port of <a href="#">CDDB</a> (Compact Disc Database) protocol, used to look up audio CD ( <a href="#">compact disc</a> ) information over the <a href="#">Internet</a> . <sup>[353]</sup> See also port 888.
	Unofficial				<a href="#">IBM WebSphere Application Server SOAP</a> connector <sup>[354][jargon]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
8883	Yes				Secure <a href="#">MQTT</a> (MQTT over TLS) <sup>[355][356]</sup>
8887	Unofficial				HyperVM over HTTP <sup>[citation needed]</sup>
8888	Unofficial				HyperVM over <a href="#">HTTPS</a> <sup>[citation needed]</sup>
	Unofficial	No			<a href="#">Freenet</a> web UI (localhost only) <sup>[citation needed]</sup>
	Unofficial				Default for <a href="#">IPython</a> <sup>[357]</sup> / <a href="#">Jupyter</a> <sup>[358]</sup> notebook dashboards
	Unofficial				<a href="#">MAMP</a> <sup>[359]</sup>
8889	Unofficial				MAMP <sup>[359]</sup>
8920	Unofficial				<a href="#">Jellyfin</a> HTTPS port <sup>[322]</sup>
8983	Unofficial				<a href="#">Apache Solr</a> <sup>[360]</sup>
8997	Unofficial				Alternate port for <a href="#">I2P</a> Monotone Proxy <sup>[184][jargon]</sup>
8998	Unofficial				I2P Monotone Proxy <sup>[184][jargon]</sup>
8999	Unofficial				Alternate port for I2P Monotone Proxy <sup>[184][jargon]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
9000	Unofficial				<a href="#">SonarQube</a> Web Server <sup>[361]</sup>
	Unofficial				<a href="#">ClickHouse</a> default port
	Unofficial				<a href="#">DBGp</a>
	Unofficial				<a href="#">SqueezeCenter</a> web server & streaming
		Unofficial			<a href="#">UDPCast</a>
	Unofficial				<a href="#">Play Framework</a> web server <sup>[362]</sup>
	Unofficial				<a href="#">Hadoop</a> NameNode default port
	Unofficial				<a href="#">PHP-FPM</a> default port
	Unofficial				<a href="#">QBittorrent</a> 's embedded torrent tracker default port <sup>[363]</sup>
	Unofficial				Emidate

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
9001	Yes				ETL Service Manager <sup>[364]</sup>
	Unofficial				<a href="#">Microsoft SharePoint</a> authoring environment
	Unofficial				cisco-xremote router configuration <sup>[citation needed]</sup>
	Unofficial				<a href="#">Tor</a> network default (ORPort)
	Unofficial				<a href="#">DBGp</a> Proxy
	Unofficial				<a href="#">HSQLDB</a> default port
	Unofficial				Emidate
9002	Unofficial				Newforma Server comms
	Unofficial				Emidate
9003	Unofficial				<a href="#">Xdebug</a> default client port <sup>[365]</sup>
9006	Unofficial				<a href="#">Tomcat</a> in standalone mode <sup>[11]</sup>



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
9008	Unofficial				Zerto VRA encrypted communications listener
9030	Unofficial				<a href="#">Tor</a> network default (DirPort)
9042	Unofficial				<a href="#">Apache Cassandra</a> native protocol clients
9043	Unofficial				<a href="#">WebSphere Application Server</a> Administration Console secure
9050–9051	Unofficial				<a href="#">Tor</a> (SOCKS-5 proxy)
9060	Unofficial				<a href="#">WebSphere Application Server</a> Administration Console
9080	Yes				glrpc, <a href="#">Groove Collaboration software</a> GLRPC
	Unofficial				<a href="#">WebSphere Application Server HTTP</a> Transport (port 1) <a href="#">default</a>
	Unofficial				Remote Potato by FatAttitude, Windows Media Center add-on
	Unofficial				ServerWMC, Windows Media Center add-on

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
9081	Unofficial				<a href="#">Zerto</a> ZVM to ZVM communication
9090	Unofficial				<a href="#">Prometheus</a> metrics server
	Unofficial				<a href="#">Openfire</a> Administration Console
	Unofficial				<a href="#">SqueezeCenter</a> control (CLI)
	Unofficial				<a href="#">Cherokee</a> Admin Panel
9091	Unofficial				<a href="#">Openfire</a> Administration Console (SSL Secured)
	Unofficial				<a href="#">Transmission (BitTorrent client)</a> Web Interface
9092	Unofficial				<a href="#">H2 (DBMS)</a> Database Server
	Unofficial				<a href="#">Apache Kafka</a> A Distributed Streaming Platform <sup>[366]</sup>
9100	Yes	Assigned			<a href="#">PDL</a> Data Stream, used for printing to certain network printers <sup>[11]</sup>

Registered ports hide					
Port	TCP	UDP	SCP	DCCP	Description
9101	Yes				<a href="#">Bacula</a> Director
9102	Yes				<a href="#">Bacula</a> File Daemon
9103	Yes				<a href="#">Bacula</a> Storage Daemon
9116	Unofficial				SNMP-exporter (Prometheus) <sup>[367]</sup>
9119	Yes				<a href="#">MXit</a> Instant Messenger
9150	Unofficial				<a href="#">Tor</a> Browser
9191	Unofficial				Sierra Wireless Airlink
9199	Unofficial				Avtex LLC—qStats
9200	Unofficial				Elasticsearch <sup>[368]</sup> —default Elasticsearch port
9217	Unofficial				iPass Platform Service
9229	Unofficial				NodeJS debugging default port (localhost) <sup>[369]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
9293	Unofficial				Sony PlayStation RemotePlay <sup>[370]</sup>
9295	Unofficial				Sony PlayStation Remote Play Session creation communication port
9296		Unofficial			Sony PlayStation Remote Play
9897		Unofficial			Sony PlayStation Remote Play Video stream
9300	Unofficial				<a href="#">IBM Cognos BI</a> <sup>[citation needed]</sup>
9303		Unofficial			<a href="#">D-Link Shareport</a> Share storage and MFP printers <sup>[citation needed]</sup>
9306	Yes				<a href="#">Sphinx</a> Native API
9309	Unofficial				Sony PlayStation Vita Host Collaboration WiFi Data Transfer <sup>[371]</sup>
9312	Yes				<a href="#">Sphinx</a> SphinxQL
9332	Unofficial				<a href="#">Litecoin JSON-RPC</a> server

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
9333	Unofficial				<a href="#">Litecoin</a>
9339	Unofficial				Used by all Supercell games such as Brawl Stars and Clash of Clans, mobile freemium strategy video games
9389	Yes				adws, <a href="#">Microsoft AD DS</a> Web Services, <a href="#">Powershell</a> uses this port
9392	Unofficial	No			OpenVAS Greenbone Security Assistant web interface
9418	Yes				git, <a href="#">Git</a> pack transfer service
9419	Unofficial				<a href="#">MooseFS</a> distributed file system – master control port <sup>[372]</sup>
9420	Unofficial				MooseFS distributed file system – master command port <sup>[372]</sup>
9421	Unofficial				MooseFS distributed file system – master client port <sup>[372]</sup>
9422	Unofficial				MooseFS distributed file system – Chunkservers <sup>[372]</sup>
9425	Unofficial				MooseFS distributed file system – CGI server <sup>[372]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
9443	Unofficial				<a href="#">VMware</a> Websense Triton console (HTTPS port used for accessing and administrating a vCenter Server via the Web Management Interface)
	Unofficial				<a href="#">NCSA Brown Dog</a> Data Tilling Service
9535	Yes				mngsuite, <a href="#">LANDesk</a> Management Suite Remote Control
9536	Yes				laes-bf, IP Fabrics Surveillance buffering function
9600	No	Unofficial			<a href="#">Factory Interface Network Service</a> (FINS), a network protocol used by <a href="#">Omron programmable logic controllers</a> <sup>[citation needed]</sup>
9669	Unofficial	No			VGG Image Search Engine VISE <sup>[373]</sup>
9675	Unofficial				<a href="#">Spiceworks</a> Desktop, IT Helpdesk Software
9676	Unofficial				<a href="#">Spiceworks</a> Desktop, IT Helpdesk Software
9695	Yes				<a href="#">Content centric networking</a> (CCN, CCNx) <sup>[citation needed]</sup>
9735	Unofficial				<a href="#">Bitcoin Lightning Network</a> <sup>[374]</sup>
9785	Unofficial				<a href="#">Viber</a> <sup>[220]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
9800	Yes				<a href="#">WebDAV</a> Source
	Unofficial				<a href="#">WebCT</a> e-learning portal
9875	Unofficial				<a href="#">Club Penguin</a> Disney online game for kids
9898	Unofficial				<a href="#">Tripwire</a> —File Integrity Monitoring Software <sup>[375]</sup>
9899		Yes			<a href="#">SCTP</a> tunneling (port number used in SCTP packets encapsulated in UDP, RFC 6951)
9901	Unofficial				Banana for Apache Solr
9981	Unofficial				<a href="#">Tvheadend</a> HTTP server (web interface) <sup>[376]</sup>
9982	Unofficial				<a href="#">Tvheadend</a> HTSP server (Streaming protocol) <sup>[376]</sup>
9987	Unofficial	No			<a href="#">TeamSpeak</a> 3 server default (voice) port (for the conflicting service see the IANA list) <sup>[377]</sup>
9993		Unofficial			<a href="#">ZeroTier</a> Default port for ZeroTier

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
9997	Unofficial				<a href="#">Splunk</a> port for communication between the forwarders and indexers
9999	Unofficial				<a href="#">Urchin</a> Web Analytics <sup>[citation needed]</sup>
9999	Unofficial				<a href="#">Dash (cryptocurrency)</a> <sup>[378]</sup>
10000	Yes				Network Data Management Protocol ( <a href="#">NDMP</a> ) Control stream for network backup and restore.
	Unofficial				<a href="#">BackupExec</a>
	Unofficial				<a href="#">Webmin</a> , Web-based Unix/Linux system administration tool (default port)
10000 – 20000	No	Unofficial			Used on <a href="#">VoIP</a> networks for receiving and transmitting voice telephony traffic which includes <a href="#">Google Voice</a> via the <a href="#">OBiTalk ATA</a> devices as well as on the <a href="#">MagicJack</a> and <a href="#">Vonage</a> ATA network devices. <sup>[379]</sup>
10001		Unofficial			<a href="#">Ubiquiti</a> UniFi access points broadcast to 255.255.255.255:10001 (UDP) to locate the controller(s)
10009	Unofficial				<a href="#">Crossfire</a> , a multiplayer online First Person Shooter <sup>[citation needed]</sup>



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
10011	Unofficial	No			<a href="#">TeamSpeak 3</a> ServerQuery <sup>[377]</sup>
10022	Unofficial	No			<a href="#">TeamSpeak 3</a> ServerQuery over SSH
10024	Unofficial				Zimbra smtp [mta]—to amavis from postfix <sup>[citation needed]</sup>
10025	Unofficial				Zimbra smtp [mta]—back to postfix from amavis <sup>[citation needed]</sup>
10042	Unofficial				<a href="#">Mathoid</a> server <sup>[380]</sup>
10050	Yes				<a href="#">Zabbix</a> agent
10051	Yes				<a href="#">Zabbix</a> trapper
10110	Yes				NMEA 0183 Navigational Data. Transport of NMEA 0183 sentences over TCP or UDP
10172	Unofficial				Intuit <a href="#">Quickbooks</a> client
10200	Unofficial				<a href="#">FRISK Software International</a> 's <i>fp scand</i> virus scanning daemon for Unix platforms <sup>[381]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
	Unofficial				FRISK Software International's <i>f-protd</i> virus scanning daemon for Unix platforms <sup>[382]</sup>
10201 – 10204	Unofficial				FRISK Software International's <i>f-protd</i> virus scanning daemon for Unix platforms <sup>[382]</sup>
10212	Yes				GE Intelligent Platforms Proficy HMI/SCADA – CIMPLICITY WebView <sup>[383]</sup>
10308	Unofficial				<a href="#">Digital Combat Simulator</a> Dedicated Server <sup>[384]</sup>
10346	No				TEKWorx Limited – interfaceIT board protocol
10468		Unofficial			Flyer – discovery protocol <sup>[citation needed]</sup>
10480	Unofficial				<a href="#">SWAT 4</a> Dedicated Server <sup>[citation needed]</sup>
10505		Unofficial			BlueStacks (android simulator) broadcast <sup>[385]</sup>
10514	Unofficial				TLS-enabled Rsyslog (default by convention)
10578	Unofficial	No			Skyrim Together multiplayer server for <a href="#">The Elder Scrolls V: Skyrim</a> mod.
10800	Unofficial				<a href="#">Touhou</a> fight games ( <a href="#">Immaterial and Missing Power</a> , <a href="#">Scarlet Weather</a> )

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
					<a href="#">Rhapsody</a> , <a href="#">Hisoutensoku</a> , <a href="#">Hopeless Masquerade</a> and <a href="#">Urban Legend in Limbo</a> )
10823		Unofficial			<a href="#">Farming Simulator 2011</a> <sup>[citation needed]</sup>
10891	Unofficial				Jungle Disk (this port is opened by the Jungle Disk Monitor service on the localhost) <sup>[citation needed]</sup>
10933	Yes	No			Octopus Deploy Tentacle deployment agent <sup>[386]</sup>
11100	No	Unofficial			<a href="#">Risk of Rain</a> multiplayer server
11111	Unofficial				RiCcl, Remote Configuration Interface (Redhat Linux)
11112	Yes				<a href="#">ACR/NEMA Digital Imaging and Communications in Medicine</a> (DICOM)
11211	Unofficial				<a href="#">memcached</a> <sup>[11]</sup>
11214	Unofficial				memcached incoming SSL proxy
11215	Unofficial				memcached internal outgoing SSL proxy
11235	Yes				<a href="#">XCOMPUTE</a> numerical systems messaging (Xplicit Computing) <sup>[387]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
11311	Unofficial				<a href="#">Robot Operating System</a> master
11371	Yes				<a href="#">OpenPGP</a> HTTP <a href="#">key server</a>
11753	Unofficial				<a href="#">OpenRCT2</a> multiplayer <sup>[388]</sup>
12000	Unofficial				<a href="#">CubeForm</a> , Multiplayer SandBox Game
12012		Unofficial			<a href="#">Audition Online Dance Battle</a> , Korea Server—Status/Version Check
12013	Unofficial				Audition Online Dance Battle, Korea Server
12035		Unofficial			<a href="#">Second Life</a> , used for server UDP in-bound <sup>[389]</sup>
12043	Unofficial				<i>Second Life</i> , used for LSL HTTPS in-bound <sup>[390]</sup>
12046	Unofficial				<i>Second Life</i> , used for LSL HTTP in-bound <sup>[390]</sup>
12201	Unofficial				Graylog Extended Log Format (GELF) <sup>[391][importance?]</sup>
12222		Yes			Light Weight Access Point Protocol ( <a href="#">LWAPP</a> ) LWAPP data (RFC 5412)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
12223		Yes			Light Weight Access Point Protocol ( <a href="#">LWAPP</a> ) LWAPP control (RFC 5412)
12307		Unofficial			Makerbot UDP Broadcast (client to printer) (JSON-RPC) <sup>[392]</sup>
12308		Unofficial			Makerbot UDP Broadcast (printer to client) (JSON-RPC) <sup>[392]</sup>
12345	Unofficial				<a href="#">Cube World</a> <sup>[393]</sup>
	Unofficial				<a href="#">Little Fighter 2</a>
	Unofficial				<a href="#">NetBus</a> remote administration tool (often <a href="#">Trojan horse</a> ).
12443	Unofficial				<a href="#">IBM HMC</a> web browser management access over <a href="#">HTTPS</a> instead of default port 443 <sup>[394]</sup>
12489	Unofficial				NSClient/NSClient++/NC_Net (Nagios)
12975	Unofficial				<a href="#">LogMeIn Hamachi</a> (VPN tunnel software; also port 32976)—used to connect to Mediation Server (bibi.hamachi.cc); will attempt to use <a href="#">SSL</a> (TCP port 443) if both 12975 & 32976 fail to connect

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
13000 – 13050		Unofficial			<a href="#"><i>Second Life</i></a> , used for server UDP in-bound <sup>[395]</sup>
13008	Unofficial				<a href="#"><i>Crossfire</i></a> , a multiplayer online First Person Shooter <sup>[citation needed]</sup>
13075	Yes				Default <sup>[396]</sup> for <a href="#">BMC Software Control-M/Enterprise Manager</a> Corba communication, though often changed during installation
13400	Yes				ISO 13400 Road vehicles — Diagnostic communication over Internet Protocol (DoIP)
13720	Yes				<a href="#">Symantec NetBackup</a> —bprd (formerly <a href="#">VERITAS</a> )
13721	Yes				Symantec NetBackup—bpdbm (formerly VERITAS)
13724	Yes				Symantec Network Utility—vnetd (formerly VERITAS)
13782	Yes				Symantec NetBackup—bpcd (formerly VERITAS)
13783	Yes				Symantec VOPIED protocol (formerly VERITAS)
13785	Yes				Symantec NetBackup Database—nbdb (formerly VERITAS)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
13786	Yes				Symantec nomdb (formerly VERITAS)
14550		Unofficial			<a href="#">MAVLink</a> Ground Station Port
14567		Unofficial			<a href="#">Battlefield 1942</a> and mods
14652	Unofficial				Repgen DoxBox reporting tool
14800	Unofficial				<a href="#">Age of Wonders III</a> p2p port <sup>[397]</sup>
15000	Unofficial				<a href="#">psyBNC</a>
	Unofficial				<a href="#">Wesnoth</a>
	Unofficial				Kaspersky Network Agent <sup>[398]</sup>
		Unofficial			Teltonika networks remote management system (RMS)
15009	Unofficial				Teltonika networks remote management system (RMS)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
15010	Unofficial				Teltonika networks remote management system (RMS)
15441	Unofficial				<a href="#">ZeroNet</a> fileserver <sup>[citation needed]</sup>
15567		Unofficial			<a href="#">Battlefield Vietnam</a> and mods
15345	Yes				<a href="#">XPilot</a> Contact
15672	Unofficial	No			<a href="#">RabbitMQ</a> management plugin <sup>[399]</sup>
16000	Unofficial				<a href="#">Oracle WebCenter</a> Content: Imaging (formerly known as Oracle <a href="#">Universal Content Management</a> ). Port though often changed during installation
	Unofficial				<a href="#">shroudBNC</a>
16080	Unofficial				<a href="#">macOS Server</a> Web (HTTP) service with performance cache <sup>[400]</sup>
16200	Unofficial				Oracle WebCenter Content: Content Server (formerly known as Oracle <a href="#">Universal Content Management</a> ). Port though often changed during installation
16225	Unofficial				Oracle WebCenter Content: Content Server Web UI. Port though often changed during installation



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
16250	Unofficial				Oracle WebCenter Content: Inbound Refinery (formerly known as Oracle <a href="#">Universal Content Management</a> ). Port though often changed during installation
16261	Unofficial				<a href="#">Project Zomboid</a> multiplayer. Additional sequential ports used for each player connecting to server. <sup>[citation needed]</sup>
16300	Unofficial				Oracle WebCenter Content: Records Management (formerly known as Oracle <a href="#">Universal Records Management</a> ). Port though often changed during installation
16384		Unofficial			CISCO Default RTP MIN
16384 – 16403		Unofficial			<a href="#">Real-time Transport Protocol</a> (RTP), <a href="#">RTP Control Protocol</a> (RTCP), used by <a href="#">Apple's iChat</a> for audio and video <sup>[1]</sup>
16384 – 16387		Unofficial			Real-time Transport Protocol (RTP), RTP Control Protocol (RTCP), used by Apple's <a href="#">FaceTime</a> and <a href="#">Game Center</a> <sup>[1]</sup>
16393 – 16402		Unofficial			Real-time Transport Protocol (RTP), RTP Control Protocol (RTCP), used by Apple's FaceTime and Game Center <sup>[1]</sup>
16403 – 16472		Unofficial			Real-time Transport Protocol (RTP), RTP Control Protocol (RTCP), used by Apple's Game Center <sup>[1]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
16400	Unofficial				Oracle WebCenter Content: Capture (formerly known as Oracle Document Capture). Port though often changed during installation
16567		Unofficial			<a href="#">Battlefield 2</a> and mods
17000		Unofficial			M17 – Digital RF voice and data protocol with Internet (UDP) gateways (reflectors). <sup>[401]</sup>
17011	Unofficial				<a href="#">Worms</a> multiplayer
17224	Yes				Train Realtime Data Protocol (TRDP) Process Data, network protocol used in train communication. <sup>[2][402]</sup>
17225	Yes				Train Realtime Data Protocol (TRDP) Message Data, network protocol used in train communication. <sup>[2][403]</sup>
17333	Unofficial				CS Server (CSMS), default binary protocol port
17472	Unofficial				Tanium Communication Port
17474		Unofficial			DMXControl 3 Network Discovery

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
17475	Unofficial				DMXControl 3 Network Broker
17500	Yes				<a href="#">Dropbox</a> LanSync Protocol (db-lsp); used to synchronize file catalogs between Dropbox clients on a local network.
18080	Unofficial	No			<a href="#">Monero</a> P2P network communications <sup>[citation needed]</sup>
18081	Unofficial	No			Monero incoming RPC calls <sup>[citation needed]</sup>
18091	Unofficial				<a href="#">memcached</a> Internal REST HTTPS for SSL
18092	Unofficial				memcached Internal CAPI HTTPS for SSL
18104	Yes				RAD PDF Service
18200	Unofficial				<a href="#">Audition Online Dance Battle</a> , AsiaSoft Thailand Server status/version check
18201	Unofficial				Audition Online Dance Battle, AsiaSoft Thailand Server
18206	Unofficial				Audition Online Dance Battle, AsiaSoft Thailand Server FAM database
18300	Unofficial				Audition Online Dance Battle, AsiaSoft SEA Server status/version check

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
18301	Unofficial				Audition Online Dance Battle, AsiaSoft SEA Server
18306	Unofficial				Audition Online Dance Battle, AsiaSoft SEA Server FAM database
18333	Unofficial				<a href="#">Bitcoin</a> testnet <sup><i>[citation needed]</i></sup>
18400	Unofficial				Audition Online Dance Battle, KAIZEN Brazil Server status/version check
18401	Unofficial				Audition Online Dance Battle, KAIZEN Brazil Server
18505	Unofficial				Audition Online Dance Battle R4p3 Server, Nexon Server status/version check
18506	Unofficial				Audition Online Dance Battle, Nexon Server
18605	Unofficial				<a href="#">X-BEAT</a> status/version check
18606	Unofficial				<a href="#">X-BEAT</a>
18676	Unofficial				YouView
19000	Unofficial				Audition Online Dance Battle, G10/alaplaza Server status/version check

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
		Unofficial			<a href="#">JACK</a> sound server
19001	Unofficial				Audition Online Dance Battle, G10/alaplaya Server
19132		Unofficial			<a href="#">Minecraft: Bedrock Edition</a> multiplayer server <sup>[404]</sup>
19133		Unofficial			<i>Minecraft: Bedrock Edition</i> IPv6 multiplayer server <sup>[404]</sup>
19150	Unofficial				<a href="#">Gkrellm</a> Server
19226	Unofficial				<a href="#">Panda Software</a> AdminSecure Communication Agent
19294	Unofficial				<a href="#">Google Talk</a> Voice and Video connections <sup>[405]</sup>
19295		Unofficial			Google Talk Voice and Video connections <sup>[405]</sup>
19302		Unofficial			Google Talk Voice and Video connections <sup>[405]</sup>
19531	Unofficial	No			<a href="#">systemd</a> -journal-gatewayd <sup>[406]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
19532	Unofficial	No			<a href="#">systemd-journal-remote</a> <sup>[407]</sup>
19788	No	Yes			Mesh Link Establishment protocol for IEEE 802.15.4 radio mesh networks <sup>[408]</sup>
19812	Yes	No			4D database SQL Communication <sup>[409]</sup>
19813	Yes				4D database Client Server Communication <sup>[409]</sup>
19814	Yes				4D database DB4D Communication <sup>[409]</sup>
19999	Yes				Distributed Network Protocol—Secure ( <a href="#">DNP—Secure</a> ), a secure version of the protocol used in <a href="#">SCADA</a> systems between communicating <a href="#">RTU</a> 's and <a href="#">IED</a> 's
20000	Yes				Distributed Network Protocol ( <a href="#">DNP</a> ), a protocol used in <a href="#">SCADA</a> systems between communicating <a href="#">RTU</a> 's and <a href="#">IED</a> 's
	Yes				<a href="#">OpenWebNet</a> , communications protocol used in <a href="#">Bticino</a> products
	Unofficial				<a href="#">Usermin</a> , Web-based Unix/Linux user administration tool (default port)
	Unofficial				Used on <a href="#">VoIP</a> networks for receiving and transmitting voice telephony traffic which includes <a href="#">Google Voice</a> via the <a href="#">OBiTalk ATA</a> devices as well as on

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
					the <a href="#">MagicJack</a> and <a href="#">Vonage</a> ATA network devices. <sup>[379]</sup>
20560	Unofficial				<a href="#">Killing Floor</a>
20595		Unofficial			<a href="#">0 A.D. Empires Ascendant</a>
20808		Unofficial			Ableton Link
21025	Unofficial				Starbound Server (default), Starbound <sup>[410]</sup>
21064	Unofficial				Default Ingres DBMS server
22000	Unofficial				<a href="#">Syncthing</a> (default)
22136	Unofficial				FLIR Systems <sup>[411]</sup> Camera Resource Protocol
22222	Unofficial				Davis Instruments, WeatherLink IP <sup>[412]</sup>
22347	Yes				WibuKey, WIBU-SYSTEMS AG <a href="#">Copy protection</a>
22350	Yes				CodeMeter, WIBU-SYSTEMS AG <a href="#">Copy protection</a>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
22351	Yes				CodeMeter-CmWAN, WIBU-SYSTEMS AG <a href="#">Copy protection</a>
23073	Unofficial				<a href="#">Soldat</a> Dedicated Server
23399	Unofficial				<a href="#">Skype</a> default protocol
23513	Unofficial				<a href="#">Duke Nukem 3D source ports</a>
24441	Unofficial				Pyzor spam detection network
24444	Unofficial				<a href="#">NetBeans</a> integrated development environment
24465	Yes				<a href="#">Tonido Directory Server</a> for Tonido <sup>[413]</sup> which is a Personal Web App and P2P platform
24554	Yes				<a href="#">BINKP</a> , <a href="#">Fidonet</a> mail transfers over <a href="#">TCP/IP</a>
24800	Unofficial				<a href="#">Synergy</a> : keyboard/mouse sharing software
24842	Unofficial				<a href="#">StepMania: Online: Dance Dance Revolution</a> Simulator
25565	Unofficial				<a href="#">Minecraft</a> (Java Edition) multiplayer server <sup>[414][415]</sup>



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
		Unofficial			<i>Minecraft (Java Edition)</i> multiplayer server query <sup>[416]</sup>
25575		Unofficial			<i>Minecraft (Java Edition)</i> multiplayer server RCON <sup>[417]</sup>
25734-25735	Unofficial				SOLIDWORKS SolidNetworkLicense Manager <sup>[418]</sup>
25826		Unofficial			<a href="#">collectd</a> default port <sup>[419]</sup>
26000	Yes				<a href="#">id Software's Quake</a> server
	Unofficial				<a href="#">EVE Online</a>
		Unofficial			<a href="#">Xonotic</a> , an <a href="#">open-source arena shooter</a>
26822		Unofficial			<i>MSI MysticLight</i>
26900 – 26901	Unofficial				<i>EVE Online</i>
26909 – 26911	Unofficial				<i>Action Tanks Online</i>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
27000	Unofficial				<a href="#">PowerBuilder SySAM</a> license server
27000 – 27006		Unofficial			<a href="#">id Software's QuakeWorld</a> master server
27000 – 27009	Yes				<a href="#">FlexNet Publisher's</a> License server (from the range of default ports)
27000 – 27015	No	Unofficial			<a href="#">Steam</a> (game client traffic) <sup>[420]</sup>
27015	No	Unofficial			<a href="#">GoldSrc</a> and <a href="#">Source engine</a> dedicated server port <sup>[420]</sup>
27015 – 27018		Unofficial			<a href="#">Unturned</a> , a survival game
27015 – 27030	No	Unofficial			Steam (matchmaking and HLTV) <sup>[420]</sup>
	Unofficial				Steam (downloads) <sup>[420]</sup>
27016	Unofficial				<a href="#">Magicka</a> and <a href="#">Space Engineers</a> server port

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
27017	Unofficial	No			<a href="#">MongoDB</a> daemon process (mongod) and routing service (mongos) <sup>[421]</sup>
27031 – 27035	No	Unofficial			Steam (In-Home Streaming) <sup>[420]</sup>
27036	Unofficial				Steam (In-Home Streaming) <sup>[420]</sup>
27374	Unofficial				<a href="#">Sub7</a> default.
27500 – 27900		Unofficial			<a href="#">id Software</a> 's <a href="#">QuakeWorld</a>
27888		Unofficial			<a href="#">Kaillera</a> server
27901 – 27910		Unofficial			<a href="#">id Software</a> 's <a href="#">Quake II</a> master server
27950		Unofficial			<a href="#">OpenArena</a> outgoing
27960 – 27969		Unofficial			<a href="#">Activision</a> 's <a href="#">Enemy Territory</a> and <a href="#">id Software</a> 's <a href="#">Quake III Arena</a> , <a href="#">Quake III</a> and <a href="#">Quake Live</a> and some ioquake3 derived games, such as <i>Urban Terror</i> ( <a href="#">OpenArena</a> incoming)

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
28000	Yes				<a href="#">Siemens Digital Industries Software</a> license server <sup>[2]</sup>
28001	Unofficial				<a href="#">Starsiege: Tribes</a> <sup>[citation needed]</sup>
28015		Unofficial			<a href="#">Rust (video game)</a> <sup>[422]</sup>
28016		Unofficial			<i>Rust</i> (video game) RCON <sup>[423]</sup>
28200	Assigned				<a href="#">VoxelStorm</a> game server
28260	Unofficial				Palo Alto Networks' Panorama HA-1 backup unencrypted sync port. <sup>[26]</sup>
28443	Unofficial				Palo Alto Networks' Panorama-to-managed devices software updates, PAN-OS 8.0 and later. <sup>[210]</sup>
28769	Unofficial				Palo Alto Networks' Panorama HA unencrypted sync port. <sup>[26]</sup>
28770	Unofficial				Palo Alto Networks' Panorama HA-1 backup sync port. <sup>[26]</sup>
28770 – 28771		Unofficial			<a href="#">AssaultCube Reloaded</a> , a video game based upon a modification of <a href="#">AssaultCube</a> <sup>[citation needed]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
28785 – 28786		Unofficial			<a href="#">Cube 2: Sauerbraten</a> <sup>[424]</sup>
28852	Unofficial				<a href="#">Killing Floor</a> <sup>[citation needed]</sup>
28910	Unofficial				<a href="#">Nintendo Wi-Fi Connection</a> <sup>[425]</sup>
28960	Unofficial				<a href="#">Call of Duty</a> ; <a href="#">Call of Duty: United Offensive</a> ; <a href="#">Call of Duty 2</a> ; <a href="#">Call of Duty 4: Modern Warfare</a> <sup>[citation needed]</sup> <a href="#">Call of Duty: World at War</a> (PC platform) <sup>[426]</sup>
29000	Yes				<a href="#">Siemens Digital Industries Software</a> license server <sup>[2]</sup>
29070	Unofficial				<a href="#">Jedi Knight: Jedi Academy</a> by <a href="#">Ravensoft</a> <sup>[citation needed]</sup>
29900 – 29901	Unofficial				Nintendo Wi-Fi Connection <sup>[425]</sup>
29920	Unofficial				Nintendo Wi-Fi Connection <sup>[425]</sup>
30000		Unofficial			<a href="#">XLink Kai P2P</a>
		Unofficial			<a href="#">Minetest</a> server default port <sup>[427]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
		Unofficial			Foundry Virtual Tabletop server default port <sup>[428]</sup>
30003	Yes	Yes			Amicon FPSU-IP Remote Administration
30004	Yes	Yes			Amicon FPSU-IP VPN
30033	Unofficial	No			<a href="#">TeamSpeak</a> 3 File Transfer <sup>[377]</sup>
30120	Unofficial				<a href="#">Fivem</a> (Default Port) GTA V multiplayer <sup>[429][415]</sup>
30564	Unofficial				<a href="#">Multiplicity</a> : keyboard/mouse/clipboard sharing software <sup>[citation needed]</sup>
<a href="#">31337</a>	Unofficial				<a href="#">Back Orifice</a> and <a href="#">Back Orifice 2000</a> remote administration tools <sup>[430][431]</sup>
	Unofficial				<a href="#">ncat</a> , a <a href="#">netcat</a> alternative <sup>[432]</sup>
31416	Unofficial				<a href="#">BOINC RPC</a> <sup>[433]</sup>
31438	Unofficial				<a href="#">Rocket U2</a> <sup>[434]</sup>
31457	Yes				<a href="#">TetriNET</a>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
32137	Unofficial				<a href="#">Immunet Protect</a> (UDP in version 2.0, <sup>[435]</sup> TCP since version 3.0 <sup>[436]</sup> )
32400	Yes				<a href="#">Plex Media Server</a> <sup>[437]</sup>
32764	Unofficial				A <a href="#">backdoor</a> found on certain Linksys, Netgear and other wireless DSL modems/combination routers <sup>[438]</sup>
32887	Unofficial				<a href="#">Ace of Spades</a> , a multiplayer <a href="#">FPS</a> video game <sup>[citation needed]</sup>
32976	Unofficial				<a href="#">LogMeIn Hamachi</a> , a <a href="#">VPN</a> application; also TCP port 12975 and <a href="#">SSL</a> (TCP 443). <sup>[439]</sup>
33434	Yes				<a href="#">traceroute</a>
33848		Unofficial			<a href="#">Jenkins</a> , a <a href="#">continuous integration</a> (CI) tool <sup>[440][441]</sup>
34000		Unofficial			<a href="#">Infestation: Survivor Stories</a> (formerly known as <i>The War Z</i> ), a multiplayer zombie video game <sup>[verification needed]</sup>
34197	No	Unofficial			<a href="#">Factorio</a> , a multiplayer survival and factory-building game <sup>[442]</sup>
35357	Yes				<a href="#">OpenStack Identity</a> (Keystone) administration <sup>[443][self-published source?]</sup>

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
36330	Unofficial				<a href="#">Folding@home</a> Control Port
37008		Unofficial			<a href="#">TZSP</a> intrusion detection <sup>[citation needed]</sup>
38412			Yes		NG Application Protocol (NGAP) for communication between a <a href="#">gNB</a> and AMF in <a href="#">5G</a> core networks <sup>[444][445]</sup>
40000	Yes				<a href="#">SafetyNET p</a> – a real-time <a href="#">Industrial Ethernet</a> protocol
41121	Yes				Tentacle Server <sup>[446]</sup> – <a href="#">Pandora FMS</a>
41230	Assigned	Yes			Z-Wave Protocol over DTLS <sup>[447]</sup>
41794	Yes				Crestron Control Port <sup>[448]</sup> – <a href="#">Crestron Electronics</a>
41795	Yes				Crestron Terminal Port <sup>[449]</sup> – <a href="#">Crestron Electronics</a>
41796	Yes	No			Crestron Secure Control Port <sup>[450]</sup> – <a href="#">Crestron Electronics</a>
41797	Yes	No			Crestron Secure Terminal Port <sup>[451]</sup> – <a href="#">Crestron Electronics</a>
42081-42090	Yes				Zippin – Zippin Store <sup>[452]</sup>



Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
42590-42595	Yes				Glue – MakePro X <sup>[453]</sup>
42999	Yes				<a href="#">Curiosity</a> <sup>[454]</sup>
43110	Unofficial				<a href="#">ZeroNet</a> web UI default port <sup>[455]</sup>
43594 – 43595	Unofficial				<a href="#">RuneScape</a> <sup>[456]</sup>
44123	Assigned	Unofficial			Z-Wave Secure Tunnel <sup>[457]</sup>
44405	Unofficial				<a href="#">Mu Online</a> Connect Server <sup>[citation needed]</sup>
44818	Yes				<a href="#">EtherNet/IP</a> explicit messaging
47808 – 47823	Yes				<a href="#">BACnet</a> Building Automation and Control Networks (47808 <sub>10</sub> = BAC0 <sub>16</sub> to 47823 <sub>10</sub> = BACF <sub>16</sub> )
48556	Yes				<a href="#">drive.web</a> AC/DC Drive Automation and Control Networks <sup>[458]</sup>
48656	Unofficial				Brainy LAB <sup>[459]</sup> Control Server

Registered ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
48657		Unofficial			Brainy LAB <sup>[459]</sup> Control Server
49151	Reserved				"IANA Reserved" <sup>[2]</sup>

## Dynamic, private or ephemeral ports<sup>[edit]</sup>

See also: [Ephemeral port](#)

The range 49152–65535 ( $2^{15} + 2^{14}$  to  $2^{16} - 1$ ), 16 384 ports, contains dynamic or private ports that cannot be registered with IANA.<sup>[460]</sup> This range is used for private or customized services, for temporary purposes, and for automatic allocation of [ephemeral ports](#).

Dynamic, private or ephemeral ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
49152–65535	Unofficial	No			<a href="#">Certificate Management over CMS</a> <sup>[461]</sup> and <a href="#">Xsan Filesystem Access</a> <sup>[462]</sup>
49160	Unofficial				Palo Alto Networks' Panorama. <sup>[210]</sup>
50160	Unofficial				S-CONNECT protocol - data exchange (TCP) and manual device pairing (UDP). <sup>[463]</sup>
50161		Unofficial			S-CONNECT protocol - automatic device pairing. <sup>[463]</sup>
51820	No	Unofficial			<a href="#">WireGuard</a> protocol <sup>[464]</sup>

Dynamic, private or ephemeral ports hide					
Port	TCP	UDP	SCTP	DCCP	Description
60000–61000	No	Unofficial			Range from which <a href="#">Mosh</a> – a remote-terminal application similar to <a href="#">SSH</a> – typically assigns ports for ongoing sessions between Mosh servers and Mosh clients. <sup>[465]</sup>
64738	Unofficial				<a href="#">Mumble</a> <sup>[466]</sup>