**A LIST OF THE TOP 100 ‘WELL-KNOWN PORTS’ (0–1023)**

This table lists the top well-known ports and their common uses in networking.

| **Port Number** | **Protocol** | **Description** |
| --- | --- | --- |
| 0 | TCP/UDP | Reserved; often used for testing purposes. |
| 1 | TCP/UDP | TCP Port Service Multiplexer (TCPMUX) |
| 2 | TCP/UDP | CompressNET Management Utility |
| 3 | TCP/UDP | CompressNET Compression Process |
| 5 | TCP/UDP | Remote Job Entry (RJE) |
| 7 | TCP/UDP | Echo Protocol |
| 9 | TCP/UDP | Discard Protocol |
| 11 | TCP | Active Users |
| 13 | TCP/UDP | Daytime Protocol (timestamp service) |
| 17 | TCP/UDP | Quote of the Day (QOTD) |
| 19 | TCP/UDP | Character Generator (CHARGEN) |
| 20 | TCP | FTP Data Transfer |
| 21 | TCP | FTP Control (Command) |
| 22 | TCP | SSH (Secure Shell) - Secure login and file transfer |
| 23 | TCP | Telnet - Unencrypted text communications |
| 25 | TCP | SMTP - Simple Mail Transfer Protocol (email routing) |
| 37 | TCP/UDP | Time Protocol |
| 39 | TCP/UDP | Resource Location Protocol (RLP) |
| 42 | TCP/UDP | Host Name Server Protocol |
| 43 | TCP/UDP | WHOIS Protocol |
| 49 | TCP/UDP | TACACS+ - Terminal Access Controller Access-Control System |
| 53 | TCP/UDP | DNS - Domain Name System |
| 67 | UDP | DHCP - Dynamic Host Configuration Protocol (Server) |
| 68 | UDP | DHCP - Dynamic Host Configuration Protocol (Client) |
| 69 | UDP | TFTP - Trivial File Transfer Protocol |
| 70 | TCP | Gopher Protocol |
| 79 | TCP | Finger Protocol |
| 80 | TCP | HTTP - HyperText Transfer Protocol (web traffic) |
| 88 | TCP/UDP | Kerberos - Authentication protocol |
| 101 | TCP | HOSTNAME Protocol |
| 102 | TCP | ISO Transport Service Access Point (TSAP) |
| 107 | TCP | Remote Telnet Service |
| 109 | TCP | POP2 - Post Office Protocol v2 (email retrieval) |
| 110 | TCP | POP3 - Post Office Protocol v3 (email retrieval) |
| 111 | TCP/UDP | RPC - Remote Procedure Call |
| 113 | TCP | Ident - Authentication Service |
| 115 | TCP | SFTP - Secure File Transfer Protocol |
| 117 | TCP | UUCP Path Service |
| 119 | TCP | NNTP - Network News Transfer Protocol |
| 123 | UDP | NTP - Network Time Protocol (time synchronization) |
| 135 | TCP/UDP | DCE/RPC Locator Service |
| 137 | TCP/UDP | NetBIOS Name Service |
| 138 | UDP | NetBIOS Datagram Service |
| 139 | TCP | NetBIOS Session Service |
| 143 | TCP | IMAP - Internet Message Access Protocol (email retrieval) |
| 161 | UDP | SNMP - Simple Network Management Protocol |
| 162 | UDP | SNMP Trap - Simple Network Management Protocol Trap |
| 177 | UDP | XDMCP - X Display Manager Control Protocol |
| 179 | TCP | BGP - Border Gateway Protocol (routing) |
| 194 | TCP | IRC - Internet Relay Chat |
| 201 | TCP | AppleTalk Routing Maintenance |
| 209 | TCP | Quick Mail Transfer Protocol |
| 213 | UDP | IPX |
| 218 | TCP/UDP | Message dispatch (MPP) |
| 220 | TCP | IMAP3 |
| 389 | TCP/UDP | LDAP - Lightweight Directory Access Protocol |
| 427 | TCP/UDP | SLP - Service Location Protocol |
| 443 | TCP | HTTPS - HTTP Secure (encrypted web traffic) |
| 445 | TCP | SMB - Server Message Block (file sharing) |
| 464 | TCP/UDP | Kerberos Change/Set password |
| 465 | TCP | SMTPS - SMTP Secure (email over SSL/TLS) |
| 497 | TCP | Retrospect backup |
| 500 | UDP | IKE - Internet Key Exchange (used in VPNs) |
| 512 | TCP | exec - Remote Process Execution |
| 513 | TCP | rlogin - Remote Login |
| 514 | TCP | Shell - Remote Shell |
| 514 | UDP | Syslog - System Logging |
| 515 | TCP | LPD - Line Printer Daemon (printing) |
| 520 | UDP | RIP - Routing Information Protocol |
| 521 | UDP | RIPng - Routing Information Protocol next generation |
| 525 | UDP | Timed - Time server |
| 530 | TCP | RPC - Remote Procedure Call |
| 540 | TCP | UUCP - Unix-to-Unix Copy Protocol |
| 554 | TCP/UDP | RTSP - Real Time Streaming Protocol |
| 587 | TCP | SMTP - Simple Mail Transfer Protocol (submission) |
| 631 | TCP/UDP | IPP - Internet Printing Protocol |
| 636 | TCP | LDAPS - LDAP Secure (directory services over SSL/TLS) |
| 639 | TCP | MSDP - Multicast Source Discovery Protocol |
| 646 | TCP/UDP | LDP - Label Distribution Protocol |
| 691 | TCP | MS Exchange Routing |
| 860 | TCP | iSCSI - Internet Small Computer Systems Interface |
| 873 | TCP/UDP | rsync - Remote file synchronization protocol |
| 902 | TCP | VMware Server Console |
| 989 | TCP/UDP | FTPS - FTP Secure (data) |
| 990 | TCP/UDP | FTPS - FTP Secure (control) |
| 993 | TCP | IMAPS - IMAP Secure (email over SSL/TLS) |
| 995 | TCP | POP3S - POP3 Secure (email over SSL/TLS) |
| 1023 | TCP/UDP | Reserved |