

| Protocol | Creator | First public | License | Identity (nc | Asynchron | Transport I |
|----------------------------------|----------------|--------------|----------------|-----------------|----------------|-----------------|
| Jami (based on Savoir-faire Live | Jonathan War | 5/1/2015 | Open standar | 40-digit addre | Yes | Yes |
| Bitmessage | Jonathan War | 11/1/2012 | Open standar | Alphanumeric | Yes | Yes |
| Signal Protocol | Signal Messen | 2/1/2014 | Open standar | Phone numbe | Yes | Yes |
| Gadu-Gadu | GG Network | 7/17/2000 | Proprietary | Unique numb | Yes | Yes |
| Skype | Skype | 8/1/2003 | Proprietary | Username | Yes | Proprietary |
| XMPP/Jingle (Jeremie Miller | | 1/1/1999 | Open standar | Jabber ID (JID) | Yes | Yes |
| MTPProto (Telegram Mes | | 8/1/2013 | Open standar | Phone numbe | Yes | Yes |
| RVP (Windows: Microsoft | | 3/1/1997 | Proprietary (D | Windows Acti | No | No |
| Steam Friends | Valve Corpora | 9/12/2003 | Proprietary | SteamID/User | Yes | Proprietary |
| YMSG (Yahoo! Yahoo! | | 3/9/1998 | Proprietary | Username | Yes | No |
| Matrix | Matrix.org | 9/1/2014 | Open standar | Matrix user ID | Yes | Yes, mandator |
| Zephyr Notific | MIT | 1/1/1987 | Open standar | Kerberos prin | Yes | No |
| Mumble | Thorvald Natv | 7/1/1999 | Open standar | Username | Yes | Yes |
| IRC | Jarkko Oikarin | 8/1/1988 | Open standar | Nickname!Use | Yes, but via a | Yes, dependin |
| Windows Mes | Microsoft | 1/1/1990 | Proprietary (D | NetBIOS | Yes | No |
| Echo | spot-on.sf.net | 1/1/2013 | Open standar | Key | Yes | Yes, optional |
| MSNP (Windo | Microsoft | 7/1/1999 | Proprietary | Email address | Yes | No |
| Briar | Briarproject.o | 5/9/2018 | Open standar | Public & Priva | Yes | Yes |
| OSCAR (AIM, I AOL | | 1/1/1997 | Proprietary (D | Username, En | Yes | Yes (Aim Pro, . |
| Ricochet | Invisible.im | 3/1/2014 | Open standar | Tor onion add | Yes | Yes |
| TOX (based on irungentoo (gi | | 6/1/2013 | Open standar | Public & Priva | Yes | Yes |
| SIP/SIMPLE | IETF | 1/1/1996 | Open standar | user@hostnar | Yes | Yes |
| TOC2 | AOL | 9/1/2005 | Proprietary (D | Username or I | Yes | No |
| Tuenti | Tuenti | 1/1/2006 | Proprietary | Username | Yes | Yes |
| Bonjour | Apple Inc. | 8/1/2002 | Proprietary Fr | Username | No | No |
| SMS/MMS/EN | Friedhelm Hill | 1/1/1985 | Proprietary | Phone numbe | Yes | No |

End-to-end Unlimited r Bulletins to One-to-many Spam protection Group, chat Audio/VoIP

| | | | | | | |
|-----------------|-----------------|-----|----------------|----------------|----------------|-----|
| Yes | Yes | No | Yes | Medium | Yes | Yes |
| Yes | Yes | No | Yes | Yes (through p | Yes | No |
| Yes | Yes | ? | Yes | Yes, contact b | Yes | Yes |
| No | Yes | No | Centralistic | Yes (simple) | Yes | Yes |
| No | No | No | Centralistic | client-based | Yes | Yes |
| Optional, multi | Yes | Yes | Unicast lists | Several stand | Optional | Yes |
| Optional | Yes | No | Yes | Yes, contact b | Yes | Yes |
| No | ? | No | Centralistic | None | No | ? |
| ? | No, although i | Yes | ? | No | Yes | Yes |
| No | No | Yes | Centralistic | Yes | Yes | Yes |
| Optional | Yes | No | Yes | Yes (using plu | Yes | Yes |
| No | Yes | Yes | Yes | No | Yes | No |
| No | Only for certif | No | Centralistic | Yes | Yes | Yes |
| OTR by DM to | No | No | Simplistic mul | Medium | Yes (everyone | No |
| No | Yes | Yes | Yes | No | No | No |
| Yes | Yes | Yes | Yes | Yes | Yes | No |
| No | Only for certif | No | Centralistic | Yes | Yes | Yes |
| Yes | Yes | Yes | Yes | Yes | Yes | No |
| No | No | No | Centralistic | client-based | Yes (Multiple, | Yes |
| Yes | Yes | No | Yes | Yes | Yes | No |
| Yes | Yes | Yes | ? | Yes | Yes | Yes |
| Yes | Yes | Yes | No | Medium | ? | Yes |
| No | No | No | Centralistic | No | paying memb | ? |
| No | Yes | ? | Yes | Yes | Yes | Yes |
| No | Yes | No | multicast | Medium | No | No |
| No | About 250 cor | No | serial message | Medium | No | Yes |

Webcam/Voice Batch files Media sync Serverless Protocol

| | | | | |
|-----|---------|-----|---------------------------|-------------------------------------|
| Yes | Yes | No | Yes | Jami (based on DHT and SIP) |
| No | Yes | No | Yes | Bitmessage |
| Yes | Yes | Yes | No | Signal Protocol |
| Yes | Yes | No | No | Gadu-Gadu |
| Yes | Yes | No | No | Skype |
| Yes | Yes | Yes | Optional | XMPP/Jingle (Google Talk) |
| No | Yes | Yes | No | MTPROTO (Telegram) |
| ? | No | No | No | RVP (Windows Messenger, etc.) |
| No | No | No | No | Steam Friends |
| Yes | Yes | No | No | YMSG (Yahoo! Messenger) |
| Yes | Yes | Yes | No | Matrix |
| No | No | No | No | Zephyr Notification Service |
| No | Yes | No | No | Mumble |
| No | Yes | No | No | IRC |
| No | No | No | No | Windows Messenger service |
| No | Yes | Yes | Yes | Echo |
| Yes | Yes | Yes | No | MSNP (Windows Live Messenger, etc.) |
| No | No | No | Yes | Briar |
| Yes | Yes | No | No | OSCAR (AIM, ICQ) |
| No | Yes | No | Yes | Ricochet |
| Yes | Yes | ? | Yes | TOX (based on DHT) |
| Yes | Yes | No | Depends on implementation | SIP/SIMPLE |
| ? | Partial | ? | No | TOC2 |
| Yes | Yes | ? | No | Tuenti |
| No | Yes | No | Yes | |
| No | No | No | ? | SMS |