



SoftEther VPN Server ???

????????? [VPN ??????](#)

- 4,096 ?????

????????? [HUB ?](#)

- 4,096 ?

????????????? [VPN](#)

- [??? 2 \(Ethernet ????\)](#)
- [??? 3 \(IP ??????\)](#)

????????????? [VPN](#)

- [??? 2 \(Ethernet ????\)](#)
- [??? 3 \(IP ??????\)](#)

?????????

- [VoIP / QoS ????](#)
- [????????????????????](#)

?? [HUB ?????????????????](#)

- [????](#): 10,000
- [????](#): 10,000
- [????????????](#): 32,768
- [MAC ?????????????](#): 65,536
- [IP ?????????????](#): 65,536
- [????????](#): 128

SecureNAT ??

- [?? NAT ??](#): ?? HUB ?????? 4,096 NAT ????
- ??????? NAT
- ??????? NAT
- [?? DHCP ??????](#)

????(HA)?????????

- [????????????](#): 64
- [??????????](#)
- ?????????????????????????????????
- ????????????????????????????????????? HUB ??????
- [????????????????????????](#)

?????????

- [??????????: RADIUS ?? / NT ????? ?? / Active Directory](#)
- [????????????????????????????????](#)
- ?? HUB [????????????](#)
- [????????????????????????](#)
- [????????????????????????????????](#)
- DoS ??(SYN Flood ??)??????????

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- Windows ? GUI ?? [VPN ?????????????](#)
- CUI [????????????????????\(vpncmd\)](#)
- syslog ??????????
- [VPN ?????????????????](#)

SoftEther VPN Server?????????VPN???????

- [SoftEther VPN ?????? \(Ethernet over HTTPS\)](#)

- [OpenVPN \(L3 ???? L2 ???\)](#)
- [L2TP/IPsec](#)
- [MS-SSTP \(Microsoft Secure Socket Tunneling Protocol\)](#)
- [L2TPv3/IPsec](#)
- EtherIP/IPsec

SoftEther VPN ????????

- [????????????: ??????](#)
- VPN ??????????(?): SSL (Secure Socket Layer) 3.0 / TLS (Transport Layer Security) 1.0
- VPN ??????????(?): TCP/IP ? UDP/IP ??? (IPv4 ??? IPv6 ?)
- [????:](#)
RC4-MD5, RC4-SHA, AES128-SHA, AES256-SHA, DES-CBC-SHA and DES-CBC3-SHA
- [?????: zlib](#)
- [?????: 128bit](#)
- [?????: ?????HTTP over SSL Protocol \(RFC2818, RFC 5246\)](#)
- WAN [????: \[???? VPN ?????????? 1?32 ? TCP ?????\]\(#\)](#)
- [?????: ??????????????](#)
- [?????: \[HTTP ?????????? SOCKS ??????????\]\(#\)](#)
- TCP [?????: 443, 992 ??? 5555 \(????\)](#)
[???? TCP ??????????????????](#)
- NAT [?????: \[NAT-Traversal ??????????????\]\(#\)](#).
NAT ?????????????NAT ?? VPN ?????????????????????
- [????????????????????:](#)
[VPN over ICMP](#) (ICMP ????????? VPN ??????)
[VPN over DNS](#) (DNS ????????? VPN ??????)
- [????????:](#)
 - [?????](#)
 - [?????????](#)
 - RADIUS ??????????
 - NT ????? Active Directory ??????????
 - X.509 RSA PKI ????? (?? VPN ??????????????????)
 - X.509 RSA PKI ????? (?? PKCS#11 ?????????????????? USB ??????????)
- VPN [????????:](#)
Ethernet (IEEE802.3) [???? \(?? 1,514 ??????????1,518 ??? IEEE802.1Q ????? VLAN\)](#)
- ?? VPN [????????: \[SoftEther VPN Client\]\(#\)](#)
- [???????? OS: Windows ? Linux](#)
- [???? VPN ??: \[????????? VPN\]\(#\), \[?? VPN \\(L2 ?????\\)\]\(#\) and \[????? VPN \\(L3 ??????\\)\]\(#\)](#)

SoftEther VPN Server ? L2TP/IPsec ??????????

- [????????: PAP ??? MS-CHAPv2](#)
- NAT [????????: RFC3947 IPsec over UDP Encapsulation](#)
- [????????: UDP 500 ? UDP 4500](#)
- [????????: DES-CBC, 3DES-CBC, AES-CBC, Blowfish-CBC and CAST-128-CBC](#)
- [????????: MD5 and SHA-1](#)
- [???? Diffie-Hellman ?????:](#)
MODP 768 (Group 1), MODP 1024 (Group 2) and MODP 1536 (Group 5)
- [????? VPN ??????: \[Windows\]\(#\), \[Mac\]\(#\), \[iOS\]\(#\) ??? \[Android\]\(#\) ?????? VPN ??????](#)
- [???????????? OS: \[Windows\]\(#\), \[Mac\]\(#\), \[iOS\]\(#\), \[Android\]\(#\) ?????? L2TP ????????????????? OS](#)
- [???? VPN ??: \[????????? VPN\]\(#\)](#)

SoftEther VPN Server ? OpenVPN ??????????

- [OpenVPN Technologies \[????\]\(#\) ??? OpenVPN ??????](#)

- ??????????:
TCP 443, 992 ??? 5555
UDP: 1194
- ??????????:
AES-128-CBC, AES-192-CBC, AES-256-CBC, BF-CBC, CAST-CBC, CAST5-CBC, DES-CBC, DES-EDE-CBC, DES-EDE3-CBC, DESX-CBC, RC2-40-CBC, RC2-64-CBC ??? RC2-CBC
- ??????????: SHA, SHA1, MD5, MD4 ??? RMD160
- ??????: L2 (????) ??? L3 (?????)
- ??????????????: [OpenVPN for PC \(Windows, Mac, Linux\)](#) ??? [OpenVPN Connect](#) by OpenVPN Technologies, Inc.
- ?????????????? OS: [Windows](#), [Linux](#), [Mac](#), [iOS](#) and [Android](#)
- ??? VPN ??:
????????? VPN, ?????? VPN (L2 ?????) ??? ?????? VPN (L3 ??????)

SoftEther VPN Server ? SSTP ??????????

- [Microsoft's Windows Server 2008 R2 / 2012 ? SSTP ??????????](#).
- ??????: PAP and MS-CHAPv2
- TLS ??????????:
RC4-MD5, RC4-SHA, AES128-SHA, AES256-SHA, DES-CBC-SHA and DES-CBC3-SHA
- ??????????????: Windows Vista, 7, 8, RT ?????? VPN ??????????
- ?????????????? OS: Windows Vista, 7, 8, RT, Server 2008, Server 2008 R2, Server 2012
- ??? VPN ??: ?????????? VPN

L2TPv3 Server Function Specifications on SoftEther VPN Server

- [Cisco ? L2TPv3 ?????? VPN ??????????](#)
- NAT ??????: RFC3947 IPsec over UDP Encapsulation
- ??????: UDP 500 ??? UDP 4500
- ??????????: DES-CBC, 3DES-CBC, AES-CBC, Blowfish-CBC ??? CAST-128-CBC
- ??????????: MD5 ??? SHA-1
- ??? Diffie-Hellman ????:
MODP 768 (Group 1), MODP 1024 (Group 2) ??? MODP 1536 (Group 5)
- ??? VPN ??: ?????? VPN (L2 ?????)
- ??????????????: Cisco IOS ? L2TPv3 VPN Client
- ?????????????? OS: Cisco IOS ?????????? L2TPv3 ?????? OS

EtherIP Server Function Specifications on SoftEther VPN Server

- NAT ??????: RFC3947 IPsec over UDP Encapsulation
- ??????????: DES-CBC, 3DES-CBC, AES-CBC, Blowfish-CBC ??? CAST-128-CBC
- ??????: UDP 500 ??? UDP 4500 Supported Hashes:
- ??????????: MD5 and SHA-1
- ??? Diffie-Hellman ????:
MODP 768 (Group 1), MODP 1024 (Group 2) ??? MODP 1536 (Group 5)
- ??? VPN ??: Site-to-Site VPN (L2-Bridging)
- ??????????????: EtherIP VPN Client
- ?????????????? OS: EtherIP ??? OS

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?? OS

- **Windows (32bit, 64bit)**
Windows 98 / 98 SE / ME / NT 4.0 SP6a / 2000 SP4 / XP SP2, SP3 / Server 2003 SP2 / Vista SP1, SP2 / Server 2008 SP1, SP2 / Hyper-V Server 2008 / 7 SP1 / Server 2008 R2 SP1 / Hyper-V Server 2008

R2 / 8 / Server 2012 / Hyper-V Server 2012 / 8.1 / Server 2012 R2 / 10 / Server 2016

- **Linux (32bit, 64bit)**
Linux 2.4, 2.6, 3.x, 4.x
- **Mac OS X (32bit, 64bit)**
Mac OS X 10.4 Tiger / 10.5 Leopard / 10.6 Snow Leopard / 10.7 Lion / 10.8 Mountain Lion
- **FreeBSD (32bit, 64bit) (?????????)**
FreeBSD 5, 6, 7, 8, 9
- **Solaris (32bit, 64bit) (?????????)**
Solaris 8, 9, 10, 11

???? CPU ??????

- **Windows**
Intel x86 (32bit), Intel x64 (64bit)
- **Linux**
Intel x86 (32bit), Intel x64 (64bit), PowerPC (32bit), ARM EABI (32bit), ARM legacy ABI (32bit), MIPS Little-Endian (32bit), SH-4 (32bit)
- **Mac OS X**
Intel x86 (32bit), Intel x64 (64bit), PowerPC (32bit), PowerPC G5 (64bit)
- **FreeBSD**
Intel x86 (32bit), Intel x64 (64bit)
- **Solaris**
Intel x86 (32bit), Intel x64 (64bit), SPARC (32bit), SPARC (64bit)

SoftEther VPN Server ??????????

- **?????**
?: 32Mbytes + 0.5Mbytes * (VPN ??????)
?: 128Mbytes + 0.5 Mbytes * (VPN ??????)
- **?????????**
?: 100Mbytes
?: 2Gbytes (?????????????)

SoftEther VPN Client ??????????

- **?????**
?: 16Mbytes
?: 32Mbytes

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- [?????????](#)