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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 ??????????(?): TLS 1.0, 1.1, 1.2, 1.3
- VPN ??????????(?): TCP/IP ? UDP/IP ??? (IPv4 ??? IPv6 ?)
- ?????:
TLS 1.3 ??????????
- ?????: 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
- ??????????: 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

- [OpenVPN](#): 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
- [OpenVPN](#): SHA, SHA1, MD5, MD4 ??? RMD160
- [OpenVPN](#): L2 (OpenVPN) ??? L3 (OpenVPN)
- [OpenVPN](#): [OpenVPN for PC \(Windows, Mac, Linux\)](#) ??? [OpenVPN Connect](#) by OpenVPN Technologies, Inc.
- [OpenVPN](#) OS: [Windows](#), [Linux](#), [Mac](#), [iOS](#) and [Android](#)
- [OpenVPN](#) VPN ??:
[OpenVPN](#) VPN, [OpenVPN](#) VPN (L2 OpenVPN) ??? [OpenVPN](#) VPN (L3 OpenVPN)

SoftEther VPN Server ? SSTP [OpenVPN](#) ???

- [Microsoft's Windows Server 2008 R2 / 2012 ? SSTP \[OpenVPN\]\(#\) ???](#)
- [OpenVPN](#): PAP and MS-CHAPv2
- [OpenVPN](#): TLS [OpenVPN](#):
[OpenVPN](#) 1.3 [OpenVPN](#)
- [OpenVPN](#): Windows Vista, 7, 8, 10, 11, RT [OpenVPN](#) VPN [OpenVPN](#)
- [OpenVPN](#) OS: Windows Vista, 7, 8, 10, 11, RT, Server 2008, Server 2008 R2, Server 2012
- [OpenVPN](#) VPN ??: [OpenVPN](#) VPN

L2TPv3 Server Function Specifications on SoftEther VPN Server

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

EtherIP Server Function Specifications on SoftEther VPN Server

- NAT [OpenVPN](#): RFC3947 IPsec over UDP Encapsulation
- [OpenVPN](#): DES-CBC, 3DES-CBC, AES-CBC
- [OpenVPN](#): UDP 500 ??? UDP 4500Supported Hashes:
- [OpenVPN](#): 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 / Server 2019 / Server 2022
/ 11
- **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), Arm64 (64bit)
- **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

??????????????

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