

# JetBox VPN Specification

## Applied models:

- JetBox 9500 series
- JetBox 9400 series
- JetBox 5400 series
- JetCard 5400

## VPN specifications:

- VPN Protocols: IPSec, PPTP, L2TP, SSL/TLS
- Encryption algorithms: Hardware-Based 3DES/AES (key length up to 256 bits)
- Authentication:
  - Pre-shared key (PSK)
  - X.509 PKI certificates
- Hashing algorithms: MD5, SHA-1
- NAT-T support (IPSec NAT transparency)
- LAN-to-LAN, Teleworker-to-LAN

VPN Protocols	IPSec	SSL/TLS	L2TP	PPTP
<b>VPN software</b>	OpenSwan	OpenVPN	RP L2TP	PopTop
<b>Reference website</b>	<a href="http://www.openswan.org/">http://www.openswan.org/</a>	<a href="http://openvpn.net/index.php/open-source.html">http://openvpn.net/index.php/open-source.html</a>	<a href="http://sourceforge.net/projects/rp-l2tp/">http://sourceforge.net/projects/rp-l2tp/</a>	<a href="http://www.poptop.org/">http://www.poptop.org/</a>
<b>Hashing algorithms</b>	HW-based MD5, SHA-1	HW-based MD5, SHA-1	CHAP, MS-CHAP, PAP	CHAP, MS-CHAP, PAP
<b>Authentication</b>	PSK, X.509 PKI certificates	PSK, X.509 PKI certificates		
<b>Encryption algorithms</b>	AES/3DES	AES/3DES	Need IPSec	MPPE
<b>NAT-T</b>	YES	YES	YES	YES

## Suggestions in using VPN:

- ipsec VPN
  - Used in Site-to-Site VPN
  - Used in communication with other routers
- Openvpn
  - Used in remote monitoring
  - Used in the communication through mobile network (3G/HSUPA)
- pptp or l2tp
  - Used in communication with the device with windows OS

## Revision history

R2, by 2011/11/28

- Remove DEC in VPN sepc