



# VPNCrypt M10

## Portable Wireless IP Encryptor with 2-Factor Authentication

VPNCrypt M10 is a portable Virtual Private Network (VPN) Client, a networking device that enables the user to leverage on public Ethernet/IP infrastructure to connect to their backend corporate VPN gateway securely. It employs standard algorithms for data confidentiality and integrity protection as well as Internet Key Exchange (IKE) protocol for keys derivations and authentications.

VPNCrypt M10 has a compact and sleek design, providing convenience and security to users on the move. It is also able to switch between Wired and Wifi connection. This Wifi feature ensures a secure connection link even in public Wifi networks. With a built-in keypad, VPNCrypt M10 is also the first of its kind portable VPN Client that incorporates 2-factor authentication for access control to the device.



VPNCrypt M10

### Key Features

Slim and compact

Supports LAN/Wifi connections

30Mbps throughput aggregate

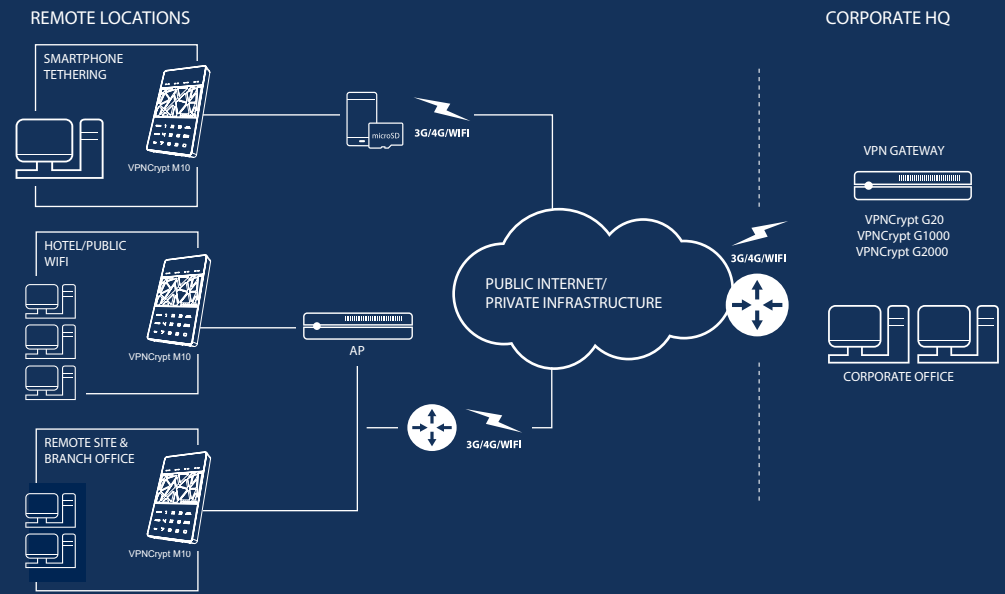
Supports AES algorithm for data confidentiality

Supports 10 concurrent IPSec tunnels

Built-in Keypad to support 2-Factor Authentication

Able to connect to Public Wifi Network requiring pre-registration

# Deployment Use Cases



## Specifications

<b>Network Interfaces:</b>	<ul style="list-style-type: none"> <li>- Trusted port: 2 x Ethernet RJ45 10/100 Mbps auto-sensing port</li> <li>- External port: 1 x Ethernet RJ45 10/100 Mbps auto-sensing port and Wifi port 802.11 b/g/n</li> <li>- Comes with management interface: 1 x Ethernet RJ45 10/100 Mbps auto-sensing port</li> </ul>
<b>Networking Features &amp; Protocols:</b>	<ul style="list-style-type: none"> <li>- IP Security/Encapsulating Security Protocol</li> <li>- Support Layer 2 and Layer 3 encryption capability</li> <li>- IP Compression</li> <li>- QoS support</li> <li>- Traffic flow confidentiality</li> </ul>
<b>Authentication:</b>	<ul style="list-style-type: none"> <li>- RSA Public Key Signature (2048 bit)</li> </ul>
<b>Key Management:</b>	<ul style="list-style-type: none"> <li>- Support Internet Key exchange (IKE v2)</li> <li>- DH supports up to 8192 bit</li> <li>- ECDH support up to P-521 bit (Optional)</li> <li>- Group Transport Protection: The device has the option of providing encryption and data integrity</li> </ul>
<b>Encryption Algorithm/ Modes:</b>	<ul style="list-style-type: none"> <li>- AES-CBC (256 bit)</li> </ul>
<b>Hash Algorithm:</b>	<ul style="list-style-type: none"> <li>- HMAC-SHA1</li> <li>- HMAC-SHA2 (256, 384, 512 bit)</li> </ul>
<b>Performance:</b>	<ul style="list-style-type: none"> <li>- Zero-loss encrypted throughput up to 30Mbps (depending on IP packet size and used encryption mode)</li> <li>- Support 10 concurrent IPSec tunnels</li> </ul>
<b>Physical Characteristics:</b>	<ul style="list-style-type: none"> <li>- Dimensions: 90mm(W) x 150mm(L) x 19mm(H)</li> </ul>
<b>Environmental:</b>	<ul style="list-style-type: none"> <li>- Storage Temperature: -20°C to 70°C</li> <li>- Operating Temperature: 0°C to 40°C</li> <li>- Humidity: Relative 10%-95%, non-condensing</li> </ul>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>- Power adaptor: 100 – 240VAC 50/60Hz, 9VDC Output, 2.5A</li> <li>- Battery Pack: 9VDC, 3600mAH (Optional)</li> </ul>
<b>Regulatory:</b>	<ul style="list-style-type: none"> <li>- EMC/EMI: FCC Part 15 Class B</li> </ul>
<b>Optional Feature:</b>	<ul style="list-style-type: none"> <li>- Supports customized algorithm loading feature</li> </ul>

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