

Technical Guide: OpenVPN on Linux (i.MX8)

1. Linux Platform

Embedded Linux (Yocto/Buildroot/Debian) with kernel TUN support.

2. Installation

```
apt-get install openvpn  
modprobe tun
```

3. Config

```
client  
dev tun  
proto udp  
remote x.x.x.x 1194  
cipher AES-128-GCM
```

4. Systemd

```
systemctl enable openvpn  
systemctl start openvpn
```

5. Routing

```
ip route add <dst> via tun0
```

6. Performance

CPU-bound encryption; optimise cipher and routing.

7. Summary

Linux handles networking, OpenVPN secures traffic via tun interface.