XXLSEC Proteus
#CleanHardware solution

#ProteusDevice for developers
#Privecall TX
#PriveTAK
#PriveCX

XXLSEC LTD
Helsinki, Finland
To address required level of security, we need to understand device design implications.
Clean Hardware means, that we have full visibility & control to hardware design and manufacturing process.
Clean Software means, that we have full independency, visibility & control to source code and development tools.
Products with these values are unique.
Proteus hardware generic features

<table>
<thead>
<tr>
<th>Features</th>
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<tbody>
<tr>
<td>100 % Linux computer</td>
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<tr>
<td>100 % source visible</td>
</tr>
<tr>
<td>5” Touch Screen</td>
</tr>
<tr>
<td>iMX6 ARM CPU</td>
</tr>
<tr>
<td>1 GB RAM, 8 GB eMMC</td>
</tr>
<tr>
<td>Audio</td>
</tr>
<tr>
<td>Micro USB (charging only)</td>
</tr>
<tr>
<td>System connector</td>
</tr>
<tr>
<td>100 Mbit/s hardware Ethernet</td>
</tr>
<tr>
<td>WiFi 2,4GHz</td>
</tr>
<tr>
<td>Ethernet cable (accessory)</td>
</tr>
<tr>
<td>Secure hardware design</td>
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<table>
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<tr>
<th>MPP protocol</th>
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<tbody>
<tr>
<td>Multi Party Consensus protocol</td>
</tr>
<tr>
<td>National key math</td>
</tr>
<tr>
<td>National cipher(s)</td>
</tr>
<tr>
<td>MACSEC keying</td>
</tr>
<tr>
<td>Zero META DATA</td>
</tr>
<tr>
<td>Forensically Secure</td>
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</tbody>
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<table>
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<tr>
<th>Software</th>
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<tbody>
<tr>
<td>Latest Linux 5.4 kernel</td>
</tr>
<tr>
<td>PriveOS operating system</td>
</tr>
<tr>
<td>Not an Android device</td>
</tr>
<tr>
<td>No ‘known unknowns’ included</td>
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</tbody>
</table>

Contact for pricing and delivery: info@xxlsec.com
Different variants for different users

**Privecall TX** - Enterprise secure comms

- PriveOS vanilla Linux-based OS
- Encrypted calls, chat and file transfer within closed user group
- Multiparty protocol (MPP) based crypto engine
- Meta Data security
- Full transparency for security audits
- Wifi and ethernet connectivity

**PriveTAK** for tactical users (C4ISR)

- Multicast encrypted Push-To-Talk
- Tactical applications: location, mapping, chat, calls, file transfer, video streaming, MESH-radio control
- Drop-in-crypto support for user defined ciphers
- IP traffic payload encryption

**ProteusDevice** for developers

- Open development platform
- No applications included
- For IoT, ICS and SCADA systems
- Penetration testing tool, Red Teaming
- Industrial Standards support
- Authentication platform
- Multiparty protocol support

**PriveCX** - Crypto device for tactical users

- IP payload encryptor for tactical users in MESH/MANET and other IP networks
- No display or other applications
- Multiparty protocol supported multicast encryption
- Multiparty based MACSEC keying option
- Drop-in-crypto support
- Rugger design, environmental protection
Privecall TX software features

- Voice calls
- Chat
- File transfer / document sharing
- No meta data traces
- PriveOS operating system
- Multiparty protocol driven security
- Multipoint authentication & crypto
- No VoIP or VPN technologies

Critical Infrastructure

IoT solutions

C4ISR

MESH
CONTROL

COMSEC
ProteusDevice for developers

Professional Operating System
Activation freedom
Supply chain control
Life cycle managed
Design confidentiality

Full control
Platform availability
Computational Freedom
Platform capability
No vendor lock

Critical Infrastructure
IoT solutions
C4ISR
MESH CONTROL
COMSEC

Product code #11019
PriveTAK software features
Tactical Awareness Kit

APPLICATIONS:
- Encrypted PTT
- Mapping and location – situational scope
- File transfer / document sharing
- Voice calls and chat
- MESH-network control application

- PriveOS operating system
- Multiparty protocol driven security
- Multipoint authentication
- User defineable drop-in-crypto
- Multicast encryption
- Critical communication
Data Rain
basic solution
with PriveTAK,
Tactical
Server and
Cipher Box
devices.
PriveCX payload encryptor features

- No display
- Multiparty protocol based encryption
- MACSEC layer 2 crypto support
- Multicast encryption
- Drop-in-crypto: support for national crypto

PriveOS operating system
- Multipoint authentication & crypto
- Separate security layers in same network (e.g. SECRET and CONFIDENTIAL)
Data Rain

basic solution

with PriveCX

encryption units.
Contact for pricing and delivery:

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