

WE PROTECT YOUR PRIVACY

NEXT LEVEL PRIVACY FOR YOUR TRADE SECRETS
WITH THE MOST SECURE VPN-SOLUTION WORLDWIDE

DN8

www.DN8.co

**MAKE SECURE AND ANONYMOUS
PHONE CALLS, NOW!**



PRIVACYPHONE ADVANCED

"DN8's PrivacyPhones guarantee the strongest encryption and offer daily encryption key changes!"

YOUR PRIVACY AND DATA ARE YOURS!

THE WORLDWIDE SAFEST COMMUNICATION SOLUTION!

A SOLUTION YOU CAN TRUST!

How secure is your company?

We are talking about loss and the espionage of your trade secrets. The revelations by Edward Snowden have shown: all telephone traffic is being monitored. No matter whether by landline, cell phone or Voice over IP (VoIP). If intelligence agencies and hacker gangs want to listen in, they do it. Even Angela Merkel's cell phone has apparently been compromised with ease by the NSA. But eavesdropping does not only affect politicians. Companies also regularly fall victim to increasingly professional hacker gangs. Industrial espionage has already become a socially acceptable business in many countries around the world. European companies are increasingly neglecting this development.

DN8 Networks puts a stop to this: with DN8's PrivacyPhone Advanced. With PrivacyPhone Advanced you communicate via the most private network in the world. You get access to our international VoIP telephone network, which is completely and unhackably shielded with the help of our own high-security VPN and unique encryption key system.

The special features of this network are:

- Own infrastructure at all nodes. No access for external devices.
- Multiple encrypted communication paths with 5,000-8,000 bit keys that are mathematically difficult to attack.
- Unique, automated key exchange process.

Even for intelligence agencies, these measures are impossible to circumvent. The technical effort required to crack such encryption is simply too high.



Periodic Exchange of Encryption Keys

Every VPN Gateway runs beside the VPN Service the Kbad Service (Key build and distribution system). Using this service, each PrivacyPhone retrieves regularly new encryption keys and certificates. The VPN Gateway generates daily new keys and distributes them in a secure way to the PrivacyPhones. Just like the VPN Service, Just like the VPN Service, Kbad uses TLS1.3 with AES256, AEAD, PFS, GCM, and DHE.

**PROTECT YOUR BUSINESS SECRETS
FROM UNAUTHORIZED ACCESS!**



Key Sizes and Exchange of Encryption Keys

Normally, encryption is performed with static key sizes like 1024 bits, 2048 bits, 4096 bits, etc. However, we use exclusively key lengths that are safe prime numbers, e. g. 5717 bits. Our research shows that encryption keys are particularly difficult to compute when they are of prime number length. Big clusters for brute force attacks are not optimized to cope with such modified key sizes. Our VPN Gateways use dynamically generated keys with prime number lengths between 5000 and 8000 bits. Hence, a compute cluster for brute-forcing has to evaluate the new key size after every key change and has thereupon only 24 hours to break the new key. Even for quantum computers, this is currently an impossible task.

All passwords and hashes are completely dynamic and are never used repeatedly.

Is really everything safe?

- Even if the individual key pair of a user was compromised, this could only be exploited for a few hours. Thereafter, the keys including the certificate will be newly generated and distributed. Other users would never be affected.
- All passwords and hash codes are fully dynamic and will never be reused.
- The daily key distribution cycle can be modified arbitrarily and is scalable when needed.
- All encryption keys are signed only for the duration of their cycle and are useless afterward; particularly as they no longer correspond to their certificates.

MAKE SECURE PHONE CALLS, NOW!

CHOOSE THE OPTIMAL SOLUTION

PRIVACYPHONE ADVANCED

Main Functions of PrivacyPhone Advanced

- Super easy to use
- Plug & Play – no installation required
- Usable worldwide without restrictions
- Secure VoIP audio telephony
- Highly encrypted video telephony with up to 16 participants with PrivacyPhone Advanced or PrivacyPhone Mobile
- Encrypted on-screen DN8 messenger
- encryption with short-term key
- connectable via LAN
- 24/7 support hotline

Technical Specifications of PrivacyPhone Advanced

- Stylish standalone desk phone with handset
- Display with 1280x800 pixel resolution
- 8-inch capacitive 10-point touch screen IPS LCD
- Integrated 2-megapixel camera with mechanically adjustable privacy screen
- Advanced echo cancellation and excellent intercom performance in any scenario
- 7-way HD audio conferencing and 3-way HD video capability
- Monitor and camera connection via HDMI for video conferencing
- Headset connection via headset jack
- 64-bit quad-core processor
- 2 GB RAM main memory
- 16 GB flash memory
- Integrated PoE/PoE+ for power and network connections

Main Features for Anonymity and Security

The PrivacyPhone Advanced communicates in a highly secure telecommunications network with its own infrastructure. The highly encrypted telephony is based on our DN8 Networks technology.

- Tap-proof telephony
- Encrypted video telephony with up to 16 participants
- Anonymous messaging on proprietary app

Simplest Operation and maximum privacy protection

Every smartphone user can also operate a PrivacyPhone Advanced. It is "plug-and-secure" data security for every user.

No Compromise on Your Safety

- Maximum security by leading edge technology
- Unique VPN technology
- Daily automatic key change
- Everything from one source
- Company-owned data centers
- Company-owned servers
- Company-owned infrastructure



WE PROTECT YOUR PRIVACY

PRIVACYPHONE ADVANCED

Feel safe while making calls

One-time price of device:

Price on request

Includes:

- PrivacyPhone Advanced
- PrivacyBox
- USB-C cable
- charger
- microSD card

MAXIMUM PROTECTION GUARANTEED



PRIVACYNET WORLDWIDE

PrivacyNet
BASIC
monthly rate

Price on request

cancellable monthly

PrivacyNet
PREMIUM
Term of 24 months with
annual payment

Price on request

Immediate Discount 20%

PrivacyNet
ADVANCED
Term of 24 months with
annual payment

Price on request

Immediate Discount 10%

Communicate worldwide inside the DN8 network and with unlimited data.
Internet connections via WIFI or data SIM card not included.

* all prices and rates excl. VAT

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**WE CARE ABOUT YOUR SAFETY!
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