

# WE PROTECT YOUR PRIVACY

## NEXT LEVEL PRIVACY FOR YOU AND YOUR BUSINESS

DN8

[www.DN8.co](http://www.DN8.co)



**SURF SECURELY AND ANONYMOUSLY**

**ON THE SAFEST VPN-PLATFORM WORLDWIDE!**

## PRIVACYCUBE ADVANCED

*"DN8's PrivacyCube Advanced guarantees the strongest encryption and offers daily encryption key changes!"*

**YOUR PRIVACY AND DATA ARE YOURS!**

**OUR MISSION IS TO PROTECT YOUR MISSION**

# A SOLUTION YOU CAN TRUST!

## HOW SAFE ARE YOU AND YOUR BUSINESS?

Use PrivacyCube Advanced now to protect you corporate secrets and your Internet communication!

The revelations by Edward Snowden, have clearly shown that all telephone calls are being tapped. Angela Merkel's cell phone has apparently been compromised with ease by the NSA. But eavesdropping does not only affect politicians. More and more companies are offering, more or less openly, a variety of efficient spy software services. These are increasingly being used for corporate espionage, domestically and internationally. As a result, nothing is confidential and secret anymore. Your data are not safe.

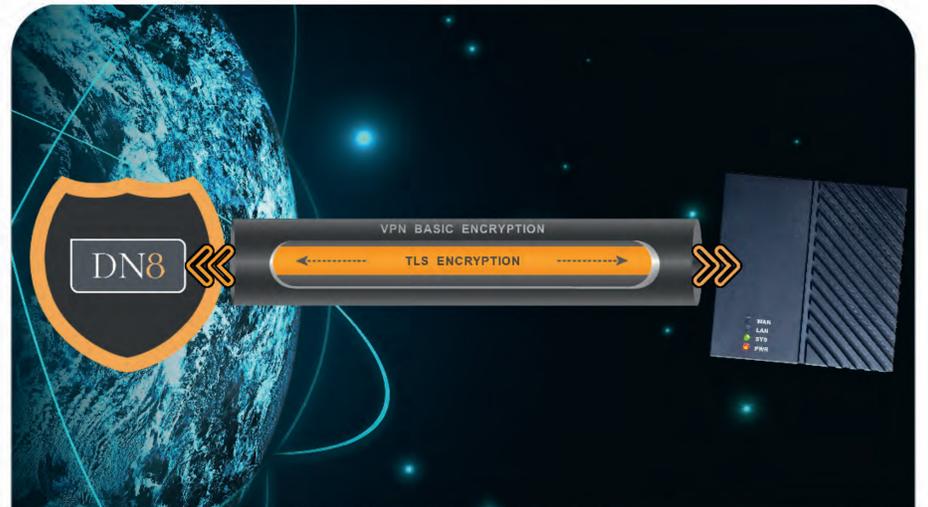
DN8 Networks' goal is to stop such attacks on your privacy and your business. PrivacyCube Advanced has been developed with this objective in mind. It operates in its own international infrastructure on all its nodes, which has been implemented based on a high-security VPN. Multiple encrypted communication paths with special keys that are mathematically difficult to attack, and a unique automated key exchange mechanism. These safety measures make it impossible, even for intelligence agencies, to listen in. The technical effort to crack this kind of encryption exceeds by far today's computational resources.



### 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 PrivacyCube Advanced retrieves regularly new encryption keys and certificates. The VPN Gateway generates daily new keys and distributes them in a secure way to the PrivacyCube Advanced.

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



### Encryption Key Sizes

Normal encryption schemes use static key sizes like 1024 bits, 2048 bits, 4096 bits, etc. We use exclusively key lengths that are safe prime numbers, e. g. 5717 bits. One of our research projects has shown that encryption keys are particularly difficult to compute when they contain prime numbers.

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 brute-force-cluster has to evaluate the new key size after every key change, be configured for it, and has thereupon only 24 hours to break the new key.

- There are no mathematical vulnerabilities, as prime numbers allow no mathematical operations other than division by 1 and themselves.

### Is it really absolutely safe?

- If the key pair of an individual 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 old keys no longer correspond to their certificates.

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**HIGH-SECURITY PRIVACYPNET COMMUNICATIONS**

**DN8**

# SURF SECURELY NOW

## PROTECT SUCCESSFULLY YOUR CORPORATE SECRETS

### PRIVACYCUBE ADVANCED

#### Main Functions of the PrivacyCube Advanced

- Easy to use
- Plug & Play – no installation required
- Unrestricted operation worldwide
- Surf the Internet completely incognito
- 100% secure data exchange with the Internet
- Maximum protection by leading-edge technology
- Intelligent firewall
- Short-time keys
- Intrusion detection system IDS
- Intrusion prevention system IPS
- Connectable via LAN and WiFi
- 2 separate internal networks via LAN and WiFi
- WiFi can be switched off
- 24/7 support hotline

#### Technical Specifications of the PrivacyCube Advanced

- high-quality metal housing
- stand-alone device
- 6-core processor
- 2 GB RAM (main memory)
- Throughput with VPN up to 300 Mbit/s
- LAN connection
- WiFi connection
- WiFi 2.4/5Ghz Standards a/b/g/n/ac
- WiFi can be turned off
- internal LAN and WiFi can serve 256 devices each
- SD card slot
- USB-C power connection
- external WiFi antenna connection
- Weight 300g (10.6 oz)

#### Main Features Regarding Anonymity and Security

The PrivacyCube Advanced communicates in DN8's highly secure telecommunications network with its own infrastructure. The encrypted data transport is based on our unique network technology. Thereby we can guarantee the world's safest VPN platform.

- Strongly encrypted anonymous internet access
- Surf the Internet 100% without leaving a trace, worldwide
- Obfuscation of own IP address and location
- Send and receive emails securely and anonymously
- Tracking protection – automatic blocking of tracking services protects your privacy
- Intelligent content filter – blocks certain unwanted contents from the Internet, incl. parental control

#### Super Easy to Use and Absolute Privacy

Anyone who can surf the Internet can also easily operate a PrivacyCube Advanced. Truly "plug-and-secure" data security for everyone.

#### A Design Without Compromise for Your Safety

- Maximum security by leading-edge technology
- unique VPN technology
- automated daily key switching
- all from a single supplier
- company-owned computer centers
- company-owned servers
- we have our own infrastructure
- IDS Intrusion Detection System to detect attacks
- IPS Intrusion Prevention System, modifies or interrupts the data stream in case of an alarm and actively influences the rules of the firewall.
- intelligent filters – protect against viruses, trojans, malware, and highjacking attacks



# WE PROTECT YOUR PRIVACY

## PRIVACYCUBE ADVANCED

LET YOUR ENTIRE BUSINESS SURF THE INTERNET WITHOUT COMPROMISING ON SAFETY

One-time price of device, only:

**299,- €\***

Includes:

- PrivacyCube Advanced
- USB-C cable
- charger
- microSD card
- network cable



SAFETY AND ANONYMITY ON YOUR TRAVELS

## PRIVACYNET PLANS

MAXIMUM  
PROTECTION  
GUARANTEED

PrivacyNet

**BASIC**

Access for one month,  
with monthly payment

**24,99 €\***  
per month

cancellable monthly

PrivacyNet

**PREMIUM**

Access for 24 months, with  
biannual payment, just

**19,99 €\***  
per month

Savings: 120,00 €

Immediate Discount 20%

PrivacyNet

**ADVANCED**

Term of 12 months with  
annual payment

**22,49 €\***  
per month

Savings: 30,00 €

Immediate Discount 10%

UNLIMITED ENCRYPTED DATA TRANSFER IN DN8'S NETWORK

Internet connections via WIFI or data SIM card are not included.

\* all prices and rates excl. VAT

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WE CARE ABOUT YOUR PRIVACY!  
CALL US NOW!

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THE WORLDWIDE SAFEST COMMUNICATION SOLUTION!