



# GeNUCard 2

## Compact Mobile Security Device

People who are away on business a lot need to take special precautions for their IT security: Employees traveling on business or working at home have sensitive information on their laptops and need a link to your LAN to transfer updated files or use online applications. This mobile access is very convenient, but it also entails considerable risks. Are you sure that the security systems on the laptops used are up to date, perform faultlessly, and that your LAN is accessed only via secure connections? If you have any doubts, this can be a gateway for unauthorized access – to the laptop, and indeed to your whole network. For this critical point in mobile data communication, we can offer you a high-security package that you can rely on: GeNUCard – compact IT security to go.

### GeNUCard Safeguards the Entire Data Communication Process

GeNUCards are easily connected to laptops by USB and ensure that data communication over all external interfaces is secure. For this purpose, the following security systems have been installed on this compact device:

- Firewall
- VPN gateway
- Smart card

### VPN via All Available Means

Now, when a connection to an external target is requested, the firewall first checks whether or not this communication is permissible. Only connections that have been expressly authorized will be permitted, while any other requests will be consistently blocked by the firewall. For authorized connections, the GeNUCard creates a strongly encrypted Virtual Private Network (VPN) for the configured receiver – all data communication is then carried out exclusively via this completely secure connection. And you can choose from any of the currently available means – from Ethernet or WLAN, Bluetooth or mobile radio, or even satellite paths. Additional security features include authentication and key handling using a smart card. Without this key, the GeNUCard cannot be activated, and nobody can initiate a connection with your LAN.

### A Self-Contained Device that Guarantees Security

This combination of features provides security for data communication that mobile users can rely on. But that's not all – with the GeNUCard, you also have another significant advantage. Our security solution isn't installed on the laptop that it is supposed to protect – instead, it is installed on an autonomous device with its own operating system, which enables the GeNUCard to remain fully functional even if the laptop has already been compromised through careless handling. This means you are guaranteed the highest level of IT security, just when it matters most – in an emergency!



## Approved for Classification Level Restricted

GeNUCard version 1.1 has been approved by the Federal German Office for Information Security (BSI) as meeting the requirements of the German and NATO Restricted and Restreint UE classifications. In addition, approval has been granted for the OCCAR Restricted classification. The GeNUCard 2 will run through the approval procedures as well. This mobile security device may therefore be used to encrypt and transfer restricted data via the Internet.

## Secure Communication on All Channels

GeNUCards are equipped with the following interfaces to allow high security data communication across all network channels:

- Ethernet
- WLAN
- UMTS (incl. a SIM card slot)
- USB (for Bluetooth and software updates)
- Smart cards



## Central Administration via Management Station

GeNUCards can be connected to any laptop or PC. While Internet access and VPN profiles are selected using a local GUI, configuration and administration of the GeNUCard is carried out centrally from the GeNUCenter Management Station. This means that you can control numerous mobile security devices centrally and ensure that your desired configuration is installed throughout. You can monitor correct functioning, easily install updates – and know that you are achieving a high IT security standard.

## Your Benefits from GeNUCard:

- Autonomous, high-security device
- Simple implementation via USB
- Plug & Play on laptops and PCs
- Integrated firewall for controlling connections
- Secure VPN for data communication using any available means
- Authentication and key handling via smart card
- Approval for classification levels German and NATO Restricted and Restreint UE will be granted soon
- Safe investment thanks to IPv6 integration
- Easy administration via Central Management Station

Further information:

[www.genua.eu/genucard](http://www.genua.eu/genucard)



## About GeNUA

GeNUA, Gesellschaft für Netzwerk- und Unix-Administration, is a German specialist company for IT security. Since the company was founded in 1992, we have specialized in providing sophisticated solutions to protect networks. Our products and services include firewalls certified by the German Federal Office for Information Security (BSI), high-security gateways for red-black transitions, VPN and remote maintenance solutions, data optimization for satellite communications, and an extensive range of services. Many companies and security-conscious public authorities trust GeNUA to protect their IT systems.