genucard 3: Device for Highly Secure Classified Communication in a Cell Phone Format

Kirchheim near Munich, March 4th, 2019. At the AFCEA trade exhibition, the German IT security company genua will present the new genucard 3, a compact device that enables mobile employees and home offices to connect to classified networks. The device can be easily connected via USB to any laptop or desktop PC and enables access to sensitive data in classified networks via a Virtual Private Network (VPN). Compared with the previous version, genucard 3 offers several advantages: dual-band Wi-Fi for high-performance WLAN connection, authentication via PIN entry directly on the device, and a compact cell phone format. The approval process is currently in progress at the German Federal Office for Information Security (BSI) for the classification level RESTRICTED.

High-Performance WLAN Connection with Dual-Band Wi-Fi

With genucard 3, employees can easily access government or company networks from their home office or while travelling: genucard can be connected to any laptop or PC and creates an encrypted connection (VPN) to the remote station configured in the network. Possible connection routes to choose from are WLAN including public hot spots, mobile telephony, and Ethernet. If multiple overlapping WLANs threaten to interfere with data transmission, genucard 3 uses dual-band Wi-Fi to switch to other frequency ranges. In the near future, public authorities, the German armed forces, and companies operating in the field of classified information will be able to use genucard 3 to ensure that employees have secure access to sensitive classified data even when working remotely: Approval from the BSI for classification level RESTRICTED is pending.

User-Friendly Two-Factor Authentication in Accordance with BSI Standards

Users authenticate themselves for access to sensitive networks on the convenient compact device (approximately 86 x 15 x 161 mm) by using a smart card and
entering a PIN via PIN pad. This makes two-factor authentication – a security requirement of the BSI – a user-friendly solution. An additional security feature of genucard is its stand-alone capability, since the solution runs on autonomous hardware with its own operating system. This way, genucard retains its functionality and protects the classified network, even in the event that the connected computer is compromised as a result of careless handling.

Central Management Means Low Administration Outlay
Administration of genucards in use is carried out by a central management station. As a result, a large number of employees can be connected to classified networks with minimal effort. The German armed forces, government agencies, and security authorities, as well as companies operating in the security sector have been using the previous version of genucard 3 on a large scale for several years.

Caption: genucard 3: Device for classified communication in a cell phone format

About genua

genua GmbH is a German IT security specialist. Our range of services covers the protection of sensitive interfaces in public authorities and industry through to the networking of highly critical infrastructures, reliably encrypting data communication over the Internet, providing remote maintenance systems, as well as remote access solutions for mobile and telecommuting employees. Our solutions are developed and produced in Germany. Frequent certifications and approvals by the German Federal Office for Information Security (Bundesamtes für Sicherheit in der Informationstechnik, BSI) testify to the high quality of genua's products. Genua was founded in 1992 and now has over 250 employees at its main site in Kirchheim near Munich and subsidiaries in Berlin, Cologne, and Stuttgart. Over the years, numerous customers from industry and government have come to rely on the experience and solutions provided by the company. genua is part of the Bundesdruckerei Group.

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