

Innominate

mGuard

DAMPSOFT develops innovative Internet solution for dentists based on the mGuard platform



The basis of the integrated, all-in-one security solution...

... is the Linux-based mGuard device with XScale network processor by Intel (XP 42x), with up to 533 MHz, up to 64 Mbyte of SDRAM and 16 Mbyte of Flash. The CPU supports hardware-based DES, 3DES and AES encryption and two 10/100 Mbit Ethernet interfaces guarantee maximum data throughput for firewall (max. 99 Mbit/s) and VPN (max. 70 Mbit/s). Up to 250 VPN tunnels are possible. High-performance virus recognition by Kaspersky is optional.

DAMPSOFT Software Vertrieb GmbH from the Baltic Sea coastal town of Damp in the German state of Schleswig-Holstein has offered a special software solution for dentists since 1984.

An unusual success story

Everything began in 1984 when the company founder, Wolfram Greifenberg, himself a dentist, had grown alarmed at the horrendous costs for what was then the leading market computer program for his dental practice. In no time at all, he had begun programming his own administrative software. Success came so quickly that in 2001 he forfeited his dental accreditation and has devoted his time and energy to his "software lab" ever since.

Today, DAMPSOFT solutions are among the leading market software applications for dentists across Germany. From overall clinic management software to content management systems for the simple creation and management of dentist websites, DAMPSOFT offers a complete range of products – always customized to the special requirements of dental surgeons.

The innovative idea...

...was an Internet-based, automatic calendar management system for clinics. Each patient can conveniently undertake his or her own booking and/or cancellation of appointments around the clock, regardless of clinic office hours. Furthermore, the dentist does not have to offer a special website to the patients, or even a homepage.

The advantages for dental clinics

"Finding and then discussing a suitable appointment for each patient takes up a lot of time in a clinic. Our newly-developed product, DS-WIN-NET, in combination with DS-GUARD, which is based on the mGuard solution by Innominate, offers enormous savings potential. Patients also profit from the solution, for now they can select their preferred date from all appointments available themselves using the Internet. Conveniently, round the clock, and without having to call up the dentist and possibly being put on hold or facing a busy signal," reports Wolfram Greifenberg on his company's innovative solution.



Solution Partner from Innominate

At the core of the solution is the “device attached security” platform mGuard by Innominate. In a truly multi-functional manner, it takes on the role of web server, security firewall and virtual private network.

mGuard's memory archives the required websites for the calendar management. The page contents are verified against the software DS-WIN-TERMIN, which stores all the information, such as the clinic's office hours, as well as booked and open appointments. Using the birthday and a PIN, the patient can easily access free appointments or those that he or she has already booked – in order to change or cancel them.

Comprehensive support for Solution Partners

“We offer our Solution Partners extensive training and competent support, so that they can use our mGuard devices as high-capacity platforms for their specific product development. In addition, Innominate offers a software development kit, which supports our Solution Partners in the development of their own solutions. In this way, development periods are reduced significantly, and costs are lowered decisively, allowing the new product to be brought to market earlier,” explains Olaf Siemens, CEO of Innominate.

Configurable firewall and high-capacity VPN connections

“The functionality and the configuration possibilities of the firewall were very important factors for us. After all, we had to make 100% sure that our solution does not open any doors for attacks on the dental clinic's computer system,” comments Wolfram Greifenberg on this mGuard feature and adds: “By the way, we also use the system ourselves – both internally as a firewall and externally to equip our field sales managers. With the VPN functions, our staff has access to specific authorized computers within the company via economical Internet connections.”

Security, reliability and performance

In addition to its function as a mini web server, with its integrated firewall, mGuard reliably protects both individual PCs as well as the entire network within the dental clinic against attacks, both from “malicious codes” and from hackers. This is a decisive factor, for patient data is generally stored on the same computer as the clinic's appointment calendar.

In this case, the DS-GUARD uses the PPPoE modem and is directly connected to the DSL modem in the dental clinic, acting as a gateway which protects all the systems in the clinic. With the “White List” module, developed in-house by DAMPSOFT, the highest possible level of security is achieved. At the same time, a closed system is created which prevents direct access or any undesired modifications to the security settings. Yet access via the DAMPSOFT server is possible at any time it is desired. This enables a quick and easy installation, even without prior IT knowledge.

Convincing technology for flexible development

“The integrated VPN functionality also offers distinct benefits to the dentist. At any time, he or she can review the current status of the appointment calendar, either from at home or on the road – simply, economically and via the Internet. At the same time, this is accomplished absolutely securely through the integrated, automatic encryption – an added value for our solution,” adds Wolfram Greifenberg.

Your advantages as an Innominate Solution Partner

- With significantly lower development times, you can offer decisive added value through the superior advantages of mGuard technology.
- You can bring your security products to market earlier and more economically and with outstanding USPs.
- You profit from the Innominate Software Development Kit (SDK) with cross-compiler, native development tools and libraries.
- If desired, you will receive competent support straight from the developers of mGuard technology.

Take advantage of mGuard technology for the development of your security solution.