



Spies Don't Stand a Chance:

TeraMile Encrypts Data Streams of up to 10 Gbit/s

Dietzenbach, June 30th, 2009 – TeraMile GmbH, a specialist for optical networking solutions, expands its portfolio with high-performance encryption solutions for a variety of network protocols and applications. The CipherPilot product range can encrypt information transmitted via private fiber optic links or leased lines. It even allows for the encryption of data-streams with transfer rates of up to 10 Gbit/s. All versions of the CipherPilot series use the most secure publicly available AES 256 bit algorithms and encrypt data in real-time. The key is automatically changed once per minute without interrupting the process.

Today, a lot of confidential information carelessly travels through all kinds of networks. Public authorities, banks, hospitals – all of them are regularly using proprietary or third-party data connections to exchange information. But is the information transmitted via these channels really safe? One possible way to collect data is the “tapping” of information transmitted on the data cables. Companies or organizations determined or legally obliged to protect their information should best rely on data encryption. The three versions of the CipherPilot are able to encrypt data with the majority of protocols currently used. The encryption is performed in specialised hardware on protocol layer-2. Hardware based encryption allows for the best possible performance with a minimum of latency.

The CipherPilot 400 is the special highlight of the product series. It is one of the few data encryption systems on the global market that can guarantee the safe transmission of data at rates of up to 10 Gbit/s via SDH/SONET and Ethernet. The CipherPilot 400 can be used for dark fiber links as well as public IP-networks. Additionally, TeraMile developed the CipherPilot 300 for carriers and companies using the same protocols with lower transmission rates. This system covers SDH/SONET/ATM with transmission rates of 155/622/2.488 Mbit/s, Gigabit Ethernet as well as Fiber Channel with rates of 1 or 2 Gbit/s. The CipherPilot 200, designed for Ethernet 10/100 Mbit/s and the use in corporate networks, complements the product range.



The annual report of the German Federal Office of the Protection of the Constitution (“Verfassungsschutz”) states clearly: “Today, the economic success of a company also depends on its ability to protect critical and confidential data and digital communication from loss or abuse of information.” Especially European companies holding positions as technology leaders should not underestimate the risks created by spying on data during transmission.”

(Source: Report of the German Federal Office of the Protection of the Constitution, 2008)

About TeraMile

TeraMile is a German manufacturer of optical networking devices for the access and metro market. TeraMile solutions reduce the number of necessary fiber connections by up to 99%, dramatically saving costs. Based on DWDM, CWDM and TDM technology TeraMile solutions meet the most stringent demands for manageability, modularity and reliability that network solutions require. A combination of low initial costs and scalability guarantee high protection of investment. Typical applications include SAN extension, disaster recovery and access networks. The company has been founded as LastMile AG in Dietzenbach near Frankfurt. For additional information please visit our website www.teramile.com.

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