

## PRESS RELEASE

*DLoG expands its Linux competence with emlix:*

### **Fast connection for Linux industrial terminals**

**Olching, 30th May 2008, DLoG GmbH, market leader in industrially capable vehicle terminals, is expanding its Linux competence and its terminal solution offers based on open operating systems. Together with Göttingen based emlix GmbH, the terminal specialists from Olching have developed a high-performance WLAN driver and an WPA module (WiFi Protected Access Supplicant). These open source developments guarantee a clear improvement in WLAN connections of warehouse vehicles such as forklifts or picking wagons. The Linux developments offer DLoG customers not only a plus in terms of additional reliability and future security, but also reduce license costs and IT expenses at the same time.**

Besides solutions for Windows® operating systems, the leading specialist provider DLoG GmbH in Olching offers industrial terminals with a Linux open operating system. For applications in warehouse and logistics, the flawless connection via WLAN and roaming WLAN is of decisive importance. For this purpose, DLoG, together with Göttingen based emlix GmbH, has optimized a WLAN driver and an WPA supplicant, with real time WPA according to IEEE standard 802.11i, and also with WEP guaranteed high speed roaming WLAN. With one scan and the provision of network access points in the system, connections remain optimal even when warehouse and logistics vehicles move at high speed and fast changing network connections must be created wirelessly via different access points. This reduces times for network searching and connecting, and improves data transfer reliability and operating comfort.

All in all, Linux based terminal solutions from DLoG GmbH allow for flexible adaptation of existing IT infrastructures, high speed roaming between WLAN cells, and reduced boot-up times. All components are available in source code. The WLAN infrastructure within the Linux system is highly modular and therefore can be adjusted in a flexible manner. Taken together, all of these factors form the basis for great future capability and high investment security. In view of total cost of ownership, open source systems frequently demonstrate better value in comparison with other operating systems.

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This latest development makes it clear that we are continuing to invest in the steady expansion of proprietary Linux competencies. “A modular, open source Linux environment opens us and users up to the flexibility that is demanded in applications such as trade and intra-logistics, to be able to implement cost effective customer and applications specific solutions” states Hans-Peter Nüdling CEO DLoG GmbH.

Further information is available online at [www.dlog.com](http://www.dlog.com).

**Available Photo Material:**

Downloads from [www.dlog.com](http://www.dlog.com) in the press/ press release area



**Hans-Peter Nüdling, CEO of DLoG GmbH**



**Example of an integrated emlix developed Linux solution on a DLoG MPC-6 terminal**

**About emlix:**

emlix develops embedded Linux systems for the control and networking of devices and equipment. With 30 permanent employees in Göttingen, Berlin and Nuremberg, emlix offers know-how and experience in the fields of board support, seminars, applications and customer specific solutions.

The main focus of emlix services is the planning, development and adjustment of open source software for function-optimized operating system platforms based on Linux. emlix is engaged in the interface between hardware and software development and creates solutions in kernel and driver areas, also for the latest 32 bit embedded processors. , During this, emlix transfers the results of international open source projects to its customers' products. Besides experience in the field of technical software, emlix has access to in-depth knowledge in the area of processor architecture with and without MMU (uClinux), real time expansion, interface controls and network technology.

In addition to optimized embedded Linux system platforms or in the frame of an independent project, emlix offers conceptual advice, development services and support for real time implementation of embedded applications. In planning and programming of operating systems, control and network specific products, emlix works closely with the development departments of its customers, and supports them with the transfer of programming according to specifications and with advice, training and (on-site) support.

#### **DLoG GmbH:**

DLoG is the European market leader for industrially capable vehicle terminals for industrial applications. On the basis of our in-house developed boards, we guarantee custom solutions, integrated with high quality and long-term secured support with regards to maintenance or system upgrades. Reliability is our first priority, especially with environmental demands such as humidity , oscillating temperatures or vibrations.

#### **Areas of Application**

- Logistics applications, in particular floor conveyors in warehouses, goods distribution centers or harbors
- Visualization and control applications on construction and agricultural machinery, trucks, buses, rail vehicles, and in mining

#### **Solutions:**

- Vehicle terminals and stationary terminals based on our in-house developed boards and mechanics based on the Intel Celeron processor family (DLoG MPC 6), as well as the Intel XScale processor family (DLoG X7, X10, X12)
- Stationary terminals, especially also for manufacturing applications based on the Celeron or Pentium M processor family (DLog IPC 7)
- Consulting and project planning, particularly in the areas of radio frequency site survey and networks (especially WLAN)
- 3<sup>rd</sup> party products such as scanners, printers or MDE devices

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