



## PRESS RELEASE

#HMI #EmbeddedSystems #IntelligentDisplays #High-EndDisplays

**Added value thanks to upgrades: Intelligent Linux and customized LCDs.**

**Vienna, March 2023 - Display specialist demmel products will showcase its regrown and particularly powerful iLCD line at embedded world in Nuremberg from March 14-16, 2023. While the high-performance F-series gets a showpiece with the 10.2" model, the company presents a completely new development under the iLCD Linux series. With the introduction of its customizable high-end LCD series that exceeds existing industry standards, demmel products is making a mark in this category.**

The starting signal for the next generation of intelligent display technology from demmel products: A super-fast 1.8 GHz quad-core processor (i.MX8M Plus from NXP) with integrated video and graphics processor for 3D rendering, a high-res optically bonded display, modifiable Yocto Linux OS, these are the main ingredients of the iLCD Linux series. Thanks to the full-featured, freely modifiable operating system, intuitive and high-performance user interfaces - similar to smartphones - can be developed. It is available in super slim form as a "bonded solution", which is especially helpful in tight spaces, or as a motherboard that can be easily connected to demmel products' LCDs.

External communication can be done via USB, Ethernet, CAN, I2C, SPI and I/Os. In addition, an external HDMI display can be connected.

### **Intelligent or pure - quality counts**

Meanwhile, displays can be found in almost all designs. Customers want reliable partners, simple supply chains and cost efficiency in addition to an optimal display solution. With the completion of the F-Series and the launch of the LCD Pure Series, the Vienna-based company offers a wide range of all-in-one solutions.

The intelligent F-Series, equipped with a 528-MHz processor, enables "display computing" with the object-oriented high-level language Java - completely without an operating system - thanks to the technology developed by demmel products. This means that this line can control all functions of a device without the use of an external controller. This saves development time and ensures a fast time-to-market.

For an optimal display, the F-Series and the iLCD Linux Series use the new "LCD Pure". These are characterized by high-resolution, super-bright IPS displays that impress with their large reading angle, which means that colors hardly change at oblique viewing angles. To maintain maximum brilliance and optimize usability, the capacitive touch panel is optically bonded as standard. In addition, this greatly improves readability in direct sunlight.

A special feature is the customizability of the displays. Changes can be made to the cover glass for optimum protection, adhesive solutions can be applied for easy attachment, or colors and logos can be backprinted for greater recognition value.

demmel products is pleased to be exhibitor again at the embedded world Exhibition & Conference taking place in Nuremberg from March 14-16. You will find "Next Generation Intelligent LCDs" in hall 1 at booth 358.

## **Company profile**

demmel products stands for excellently designed and innovative solutions in hardware and software. Since 1988, the Austrian think tank has been developing, producing and distributing state-of-the-art technology that makes the life of technology users easier, safer and more comfortable.

For the first time in the company's history, demmel products was able to take over the worldwide technology leadership right from the start in 2004 with the presentation of its "Next Generation Intelligent LCDs" (iLCDs). Intelligent displays from demmel products are the first choice for user interfaces with high-quality screen designs. "With their functions and interfaces, our iLCDs help decisively to limit the development effort and make it calculable. iLCDs reduce time-to-market and complexity. Developers can thus focus on the application-specific design instead of having to dedicate themselves to the electronic integration of the displays," says company founder Herbert Demmel: The extensive functionalities are available across the entire iLCD product line

demmel products solutions are successfully used in a wide range of applications and industries. These include mechanical engineering, medical technology, measurement technology, electrical engineering, the automotive sector and many more.

[www.demmel.com](http://www.demmel.com)

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Caption/Highlight:

Intelligent displays from demmel products (iLCDs) contain all the components required to control a display directly on the panel and are recently also available as a Linux model

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