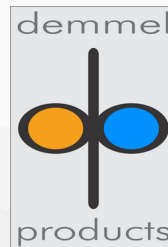


demmel products gmbh



*Your reliable outsourcing partner:
Intelligent Displays for Smart Solutions*

Our Company

demmel products – the company

- Founded in 2011 by Herbert Demmel
- 25+ years of outstanding Know-How and expertise
- First iLCDs already in 2003
- Specialized in intelligent display- and HMI-solutions
- Worldwide customer base (97% export)
- Medical devices, automation, industrial applications
- Developed in Austria, produced in Europe



Why demmel?

You are the expert for your electronic device.

We are the experts for embedded displays.

TOGETHER:

You can focus on your core competencies...as **we** cover all the low-level and hardware development for the display

You can reduce complexity...as **we** provide high-end solutions to ease integration

You can save time, money and manpower...as **we** shorten the development process

You gain more flexibility...with **our** easily programmable HMI

You manage higher workloads & meet project deadlines...as **we** simplify your hardware, software & GUI development

You can outsource your risks...as **we** cover long-term availability & EOL Management

You can simplify your supply chain...with **us** as a one-stop partner offering outstanding expertise & know-how

You can realize your growth targets more quickly...as **we** reduce your time-to-market

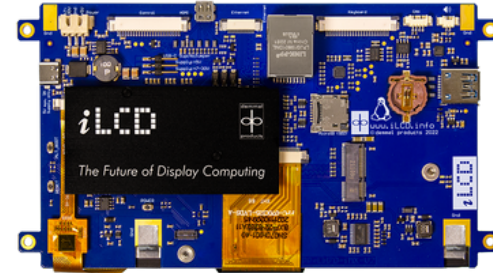
We strive to be the most reliable
outsourcing partner on the market for
high quality embedded displays

Our Product lines

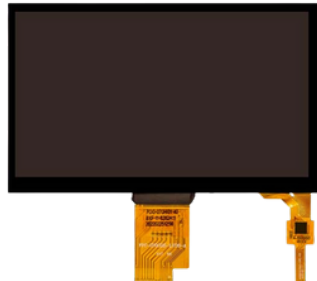
iLCD JPro
„Classic“ series of intelligent displays



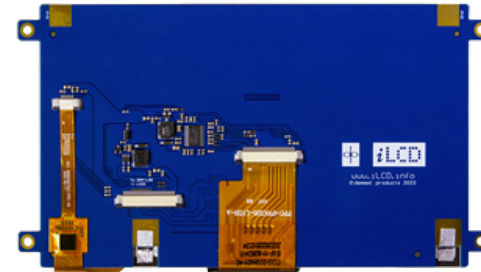
iLCD Linux
High-performance series based on Yocto Linux



LCD Pure
High-end customizable LCD Panels



LCD Pure X
High-end LCD + display control unit

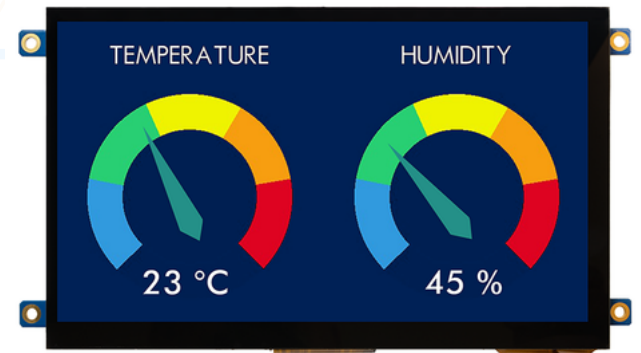
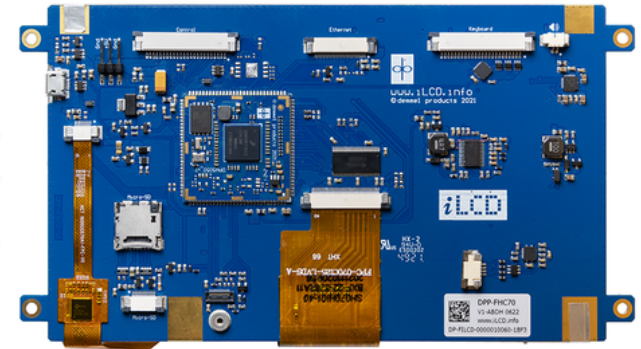


OR

Customized Projects
Electronics, Display, Software according to your needs!

Industry grade display including:

- Serial Interfaces (RS232, I2C, USB etc.)
- On-board storage
- 528MHz Controller with firmware
- Touch options
- Display controller
- High-level-commands in firmware
- Slave-Device with external controller
- All iLCDs use the same set of commands
- Sizes: 2.8" – 10.1"
- iLCD Manager XE – software & GUI development



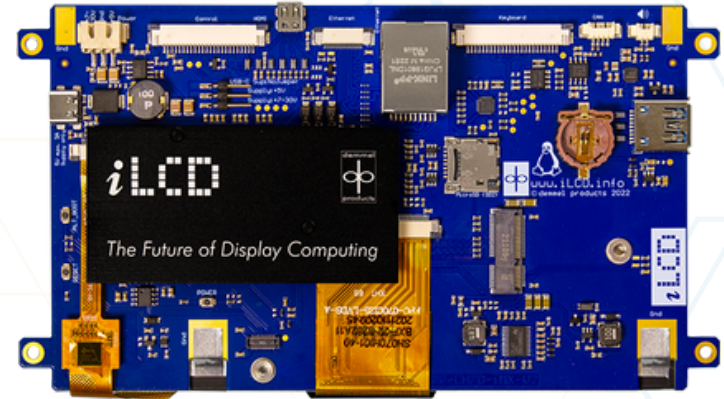
iLCD Linux Series

Industry grade display plus

- SoM with
 - Up to quad-core 1.8GHz processor
 - 1-8GB DRAM
 - 8-64GB flash memory
 - real-time co-processor
- Video- & graphics accelerator
- Interfaces
 - Serial, I2C, 2x USB, CAN, HDMI, RJ45, Wifi + BT...
- Touch options
- Display control -> ready-to-run
- Linux OS with Yocto Project

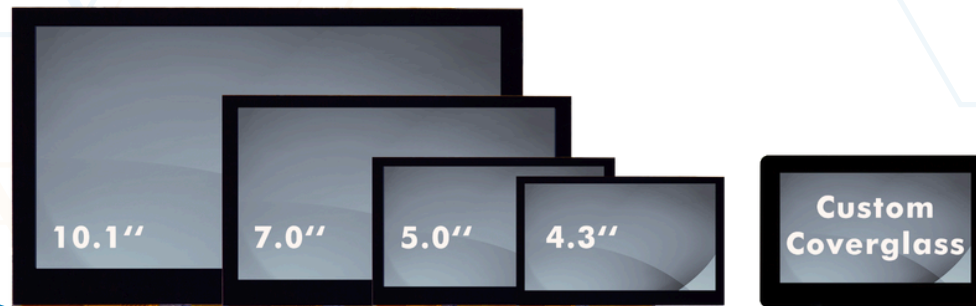
Sizes: 5.0" – 15.6"

Mainboard + display up to 49"



Industry suitable display:

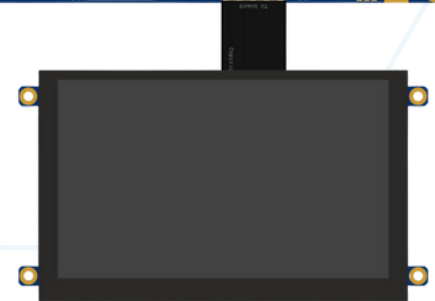
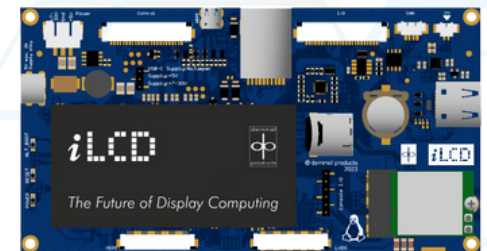
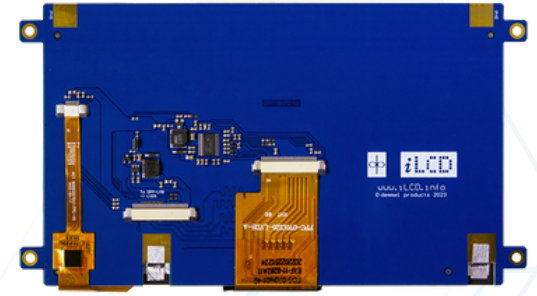
- high resolution
- 1000 cd/m² -> sunlight-proof
- IPS (85-90°)
- operating temperatures: -20 up to +70°C
- standard sizes: 3.5" – 12.1"
 - customized sizes up to 49" upon request
- Touch options
 - capacitive touch screen (optical bonding) as standard
 - resistive touch screen upon request
- Customized adaptations
 - bigger/thicker coverglass, color & logo printing, bonding solutions, ...



LCD Pure X

Industry suitable display:

- Controller board with mounting straps incl. display-specific electronics
- Standard sizes: 3.5" – 12.1"
- IPS (85-90°)
- Customized sizes up to 49" upon request
- Touch options
 - capacitive touch screen (optical bonding) as standard
 - resistive touch screen upon request
- Customized adaptations
 - bigger/thicker coverglass, color & logo printing, bonding solutions
 - other sizes or interface



Product Comparison Chart

Characteristics	LCD Pure	LCD Pure X	iLCD JPro	iLCD Linux
High-res, high brightness LCDs	✓	✓	✓	✓
IPS Displays	✓	✓	✓	✓
Long-term availability	✓	✓	✓	✓
PCB with electronics		✓	✓	✓
Industrial interfaces on board			✓	✓
Ready-to-run (Hardware & low-level implementation by demmel products)			✓	✓
Easy-to-programm			✓	✓
High-performance processor			✓	✓
Linux Operating System				✓
Graphics & Video Accelerator				✓

Development timeline

Which series fits my project the best, considering time & effort?

Process of integrating a display into your application

Product series

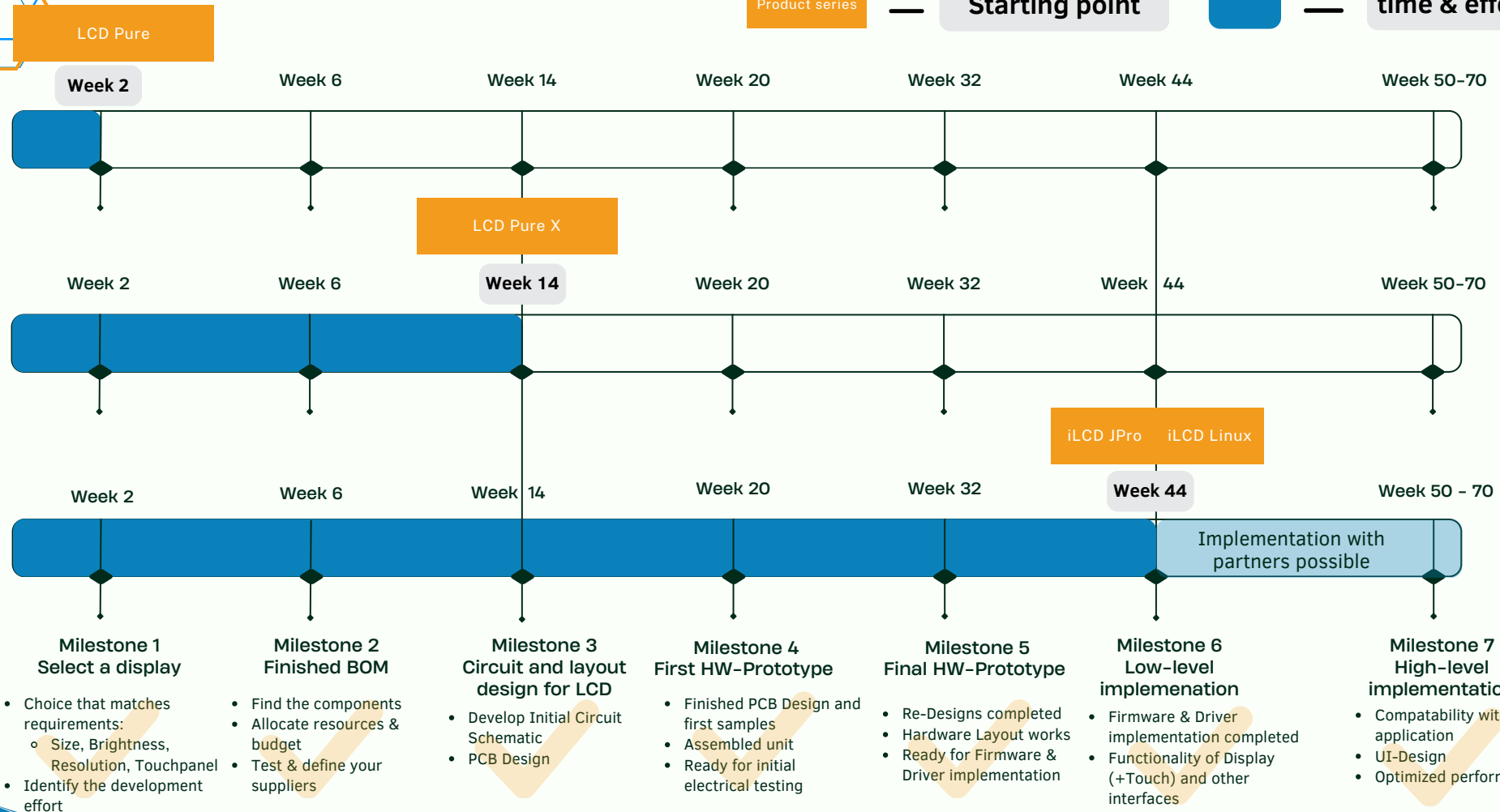
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Starting point



=

time & effort saved



FINISHED APPLICATION
EOL MANAGEMENT, UPDATES & MORE HANDLED

Applications using our Solutions

Mechanical engineering devices



Process control systems



Industrial laser welding



Measuring Systems



Outdoor systems

Kiosk systems



Healthcare devices

Vandalism-proof user-interfaces



Industrial ovens

Lifting ramps



Charging stations



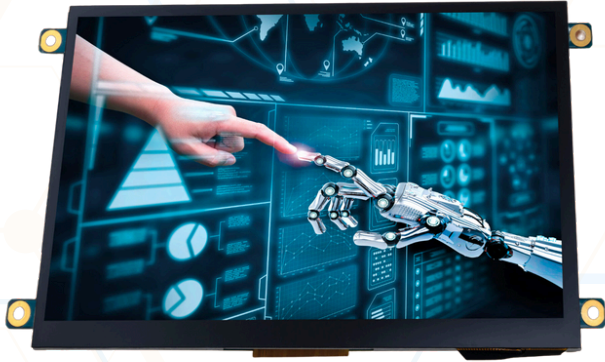
State of the art
HMI



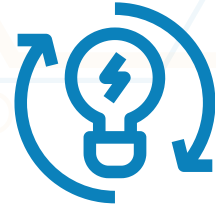
Outsourcing risks



Meet your
deadlines



Predictable costs



No unexpected
re-designs



No more
opportunity costs

Raise your efficiency by outsourcing your display needs to us

More than a display. An embedded display. A one-stop HMI.



Looking forward to your **questions**