

## SBC i.MX6 Premium

**elmko**  
our quality for your success

You want to operate two displays for your controls?  
You want to cut your system costs and consolidate the tasks  
you have been running on two separate control boards on  
one?

We have got the right solution for you!

We developed the i.mx6 Premium board based on the elmko  
i.mx6 Basic. This board is able to control two touch displays  
independently of one another. We fine-tuned the important  
relevant features to guarantee that absolutely everything  
that ran on the i.mx6 Basic can now be doubled on the i.mx6  
Premium.

Instead of one you now have two CPU cores with more than  
twice as much RAM. You have two independent LVDS ports  
and touch controllers to display and operate two different  
applications.

You want to show a full HD video on one or both displays?  
No problem because the memory bandwidth has been  
doubled as well.

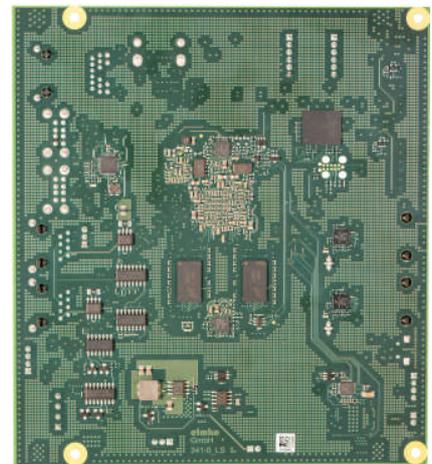
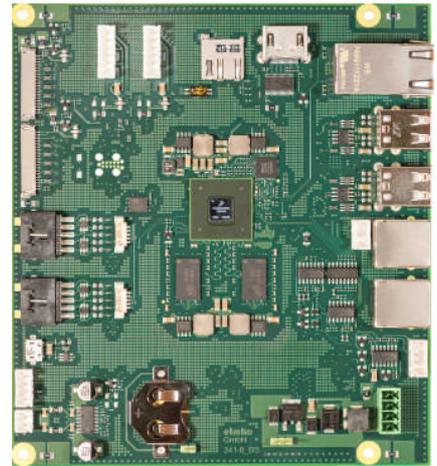
There are now two separate CAN buses on the board so that  
every application can communicate independently via CAN.

And we have also doubled the number of USB 2.0 ports.

Nothing will stop you now on our Premium Board.

Still missing something?

Let us know what you need.



## Features



- I.mx6 Dual Cortex-A9 with 1GHz
- 1024MB 64-Bit DDR3 RAM with 528MHz
- 2x TFT via LVDS up to 1366x768@60Hz
- 1x TFT via HDMI up to 1920x1080@60Hz
- 2x TFT Backlight with 5V or 12V
- 2x Touch: 5wire, 4wire or capacitive I<sup>2</sup>C
- 2D and 3D Accelerator
- MPEG4 Decoder, Full HD
- Ethernet 10/100/1000 Mbit
- 4x USB 2.0 Host
- 2x CAN 2.0
- 1x Rs232
- microSD Card
- eMMC with 2GB
- Audio Line Out
- 12V Power supply
- Linux BSP
- dimensions: 156mm x 140mm

**elmko** GmbH, Fasanenweg 17, 85375 Neufahrn, Germany  
Tel: +49 8165 905540, [info@elmko.de](mailto:info@elmko.de)