# DHMI 15.6



▸ New DHMI baseboard with state-of-the-art interfaces and high degree of flexibility

▸ Installation variants: surface-mounted, flush-mounted, panel-mounted, VESA mount

▸ Robust and compact solution for human-machine interaction

▸ Industrial design

▸ Powerful and energy-saving DHCOM modul as computing unit

▸ No heat sink required thanks to 5-cent cooling solution

▸ Thanks to a family concept, the SOM can be upgraded at any time

## Technical Data

| CPU Details | |
|---|---|
| CPU name | NXP i.MX8M Plus \| default, other processors with DHCOM standard available on request |
| CPU type | ARM Cortex-A53 \| ARM Cortex-M7 |
| CPU clock | Cortex-A53 up to 1.6 GHz<br>Cortex-M7 up to 800 MHz |

## Memory

| | |
|---|---|
| LPDDR4 DRAM 1 | 1 / 2 / 4 / 8 (on request) GB |
| eMMC Flash | 4 / 8 / 16 GB |
| EEPROM | 256 kB |
| Additional RTC | Temp. compensated RTC |
| SD card socket available | ✓ |

## Connectivity

| | |
|---|---|
| Ethernet | 2 x Gbit Ethernet |
| USB | 1 x USB 3.1<br>2 x USB 2.0 |
| CAN | 1x |
| Serial | 1x RS485 or RS232 |
| Buttons | 1x Reset |
| UART | 1x UART TTL |
| SPI | 1x |
| I2C | 1x |

## Multimedia

| | |
|---|---|
| 2D \| 3D GPU | GC7000UL graphics accelerator with OpenGL ES, OpenCL and Vulkan support<br>up to 166M triangle/s and 1Gpixel/s<br>Etnaviv Open Source GPU driver support |
| 2D \| 3D Acceleration | Yes \| Yes |

# DHMI 15.6

| | |
|---|---|
| Display diagonal | 15.6 inch |
| Resolution | 1920 x 1080 px |
| Color depth | 16.7M |
| MTBF | 50.000 hrs |
| Touch | PCAP |

## Operating system

| | |
|---|---|
| BSP | Linux Yocto (Debian on request) |
| Debug interface | JTAG interface on module |
| Setup and config | Get our free web browser to configure the DHMI or to display any website |