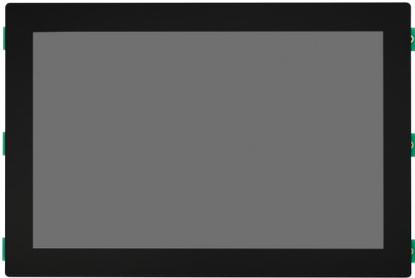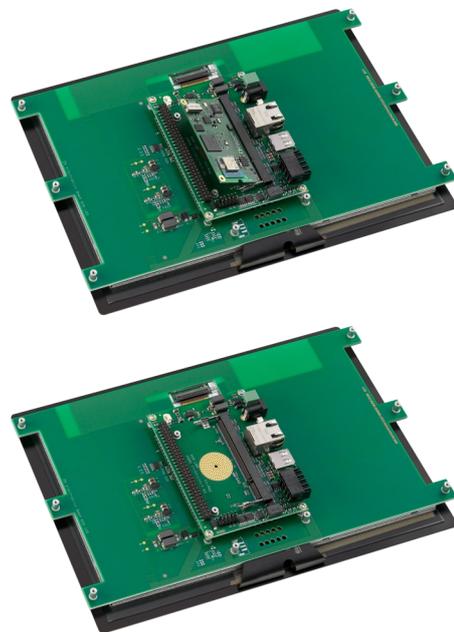# DHMI 10.1

Touch Panel Computer

Highlights

- Robust touch panel computer for industrial applications

- 10.1″ RGB display with 10 finger multi-touch function

- Includes a powerful and energy-saving DHCOM module

- Module can be chosen according to required computing power

- No heat sink required thanks to our 5-Cent Cooling solution

PRODUCT PICTURES

The DHMI 10.1 is available with or without aluminium front frame. The DHMI 10.1 contains the DH picoITX Baseboard.

ORDERING INFORMATION

Please use the product request form on our website to send us your inquiry. Tell us what interfaces your application requires and we will come back to as soon as possible. Please note: Thanks to our modular system we can easily develop an individual variant according to your needs together with you. Feel free to contact us and send your inquiry to info@dh-electronics.com.

RELATED PRODUCTS

Please check out our website www.dh-electronics.com to find similar or additional products.
Possible alternatives for the DHMI 10.1 would be DHMI 4.3, DHMI 7 or DHMI 8.

TECHNICAL DETAILS

You will find a short overview of the technical details of this product on the second page of this datasheet.
The full list of features can be found at our website under the following link:
https://www.dh-electronics.com/produkte/dhmi-touch-panel-computer/dhmi-101

CPU DETAILS	
CPU Name	NXP i.MX6 Solo*
CPU Type	ARM Cortex®-A9
CPU Clock	up to 800 MHz
MEMORY	
DDR3 RAM	1024 MB
eMMC Flash	4 GB
E²Prom	128 Byte
Micro SD Socket	Available on module
Real Time Clock (RTC)	Available on module
CONNECTIVITY	
USB 2.0	1x Host (high-speed)
Ethernet	1x 10 / 100 Mbps, IEEE 1588
Serial Interfaces	1x RS232 (Rx, Tx, Rts, Cts) 1x RS485 (available instead of RS232)
Input | Output	1x Input (additional input available instead of CAN) 1x Output (additional output available insteade of CAN)
CAN	1x 1 Mbps
MULTIMEDIA	
2D | 3D GPU	2D: Vivante GC320 for i.MX6 Solo 3D: Vivante GC880 with 1 shader for i.MX6 Solo
2D | 3D Acceleration	Yes | Yes
Display diagonal	10.1 inch
Resolution	1280 x 800 RGB
Color depth	16.7M
MTBF	Min. 20.000 hrs LED life time (After 20.000 hrs: 50% of original brightness)
Touch	10 finger multi-touch
OPERATING SYSTEM	
Supported BSPs	Linux (Yocto or Debian based) | Android 5.0 (or newer) | Windows on request
Setup and Configuration	Get our free web browser to configure the DHMI or to display any website.
PHYSICAL	
Dimensions | Weight	272 x 193 x 38 mm | 1157,5 g (with frame) and 257 x 173 x 35 mm | 860,5 g (without frame)
Temperature	0 °C to +70 °C storage | 0 to +50 °C operating
Moisture	+10 % to +80 % (non-condensing)
Power Supply | Dissipation	24 VDC $\pm$ 10 % | typ. 15.0 W
Certifications	EN 61000-6-2 | EN 61000-6-3

*Please note that we chose the NXP i.MX6 Solo as default option for our DHMI products. In addition, you can also use any other computer module in our touch panels. Thanks to our modular system we can easily develop an individual variant according to your needs together with you. Feel free to contact us and send your inquiry to info@dh-electronics.com.