



## HMI with 4.3" is perfect for industrial applications.

- ▶ Robust and compact solution for human-machine interaction
- ▶ Powerful and energy-saving DHCOM module as computing unit
- ▶ Use in industrial and commercial applications thanks to EN6100-6-2 and EN6100-6-3
- ▶ No heat sink required thanks to 5-cent cooling solution
- ▶ Thanks to the family concept, the module can be replaced by a higher-performance module at any time

## Technical Data

### CPU details

CPU name	NXP i.MX6 Solo   default, other processors with DHCOM standard available on request
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	✓
External RTC available	✓

## Connectivity

USB host	1x High-speed
Ethernet	10 / 100 Mbit/s
Serial interfaces	1x RS232 (Rx, Tx, Rts, Cts)   1x RS485 (available instead of RS232)
Input	1x
Output	1x
CAN	1x 1 Mbit/s

## 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	4.3 inch
Resolution	480 x 272 px
Color depth	16M
MTBF	20.000 hrs
Touch	4-wire resistive

## Operating system

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

## Physical

Dimensions	130 x 80 x 31 mm
Weight	280 g
Power supply	24.0 VDC
Typ. power consumption	3.0 W
Operating temperature	0 to +50 °C
Storage temperature	0 to +70 °C
Moisture	+10 % to +80 % (non-condensing)
Certifications	EN 61000-6-2   EN 61000-6-3

## Configurations

Item Number	Model (other configurations on request)	Product description
FD00038	DHMI-043R-OF-IMX6S-R051-F0409-E-CAN-IO-RS232-C-01P1	DHMI, 4.3", resistive touch, open frame, i.MX6 solo, 512 MByte, 4096 MByte eMMC, ethernet, CAN, additional IOs, RS232, 0 to +50 °C, revision 01, picoITX1

\* Other configurations on request