



## Hochwertiges HMI mit 10.1" und optionalem Rahmen.

- ▶ Robuste und kompakte Lösung für die Interaktion zwischen Mensch und Maschine
- ▶ Leistungsstarkes und energiesparendes DHCOM Modul als Recheneinheit
- ▶ Einsatz in Industrieanwendungen dank EN6100-6-2 und EN6100-6-3
- ▶ Kein Kühlkörper dank 5-Cent-Cooling Solution
- ▶ Dank Familienkonzept kann das Modul jederzeit durch ein performanteres ausgetauscht werden

## Technische Daten

### 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	10.1 inch
Resolution	1280 x 800 px
Color depth	16.7M
MTBF	50.000 hrs
Touch	PCAP

## 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	257 x 173 x 35 mm frameless 272 x 193 x 38 mm with frame
Weight	860,5 g (frameless) 1157,5 g (with frame)
Power supply	24.0 VDC
Typ. power consumption	15.0 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

## Konfigurationen

Artikelnummer	Modell	Produktbeschreibung
FD00055	DHMI-101-P-FB-STM32MP157C-R102-F0819-E-CAN-IO-RS232-C-01P1	DHMI, 10.1", PCAP touch, framed black, STM32MP157C, 1024 MByte, 8192 MByte eMMC, ethernet, CAN, additional IOs, RS232, 0 to +50 °C, revision 01, picolTX1

\* Andere Konfigurationen auf Anfrage

## Wie setzt sich die Modellnummer für die Bestellung zusammen?

### DHMI-INCH-T-HO-CPU-Rxxx[-Fxxx][-E[x]][-CAN][-IO][232][485][-LON][-W][BT][-LTE]-X-01P1

INCH	040 = 4.3", 070 = 7.0", 080 = 8.0", 101 = 10.1"
T	R = resistive touch, P = PCAP touch
HO	OF = Open Frame, BO = Boxed, RM = Rear Mount, FB = Framed Black, FM = Framed Metallic
CPU	IMX6S = i.MX6 Solo, IMX6D = i.MX6 Dual, IMX6DL = i.MX6 Dual Lite, IMX6Q = i.MX6 Quad STM32MP157C = STM32MP157C
Rxxx	RAM memory size in 10 MB steps ( i.e. R006 = 64 MB, R012 = 128 MB, ...)
X	Commercial temperature range (0 °C - 70 °C): C, Industrial temperature range (-25 °C - 85 °C): I
01Px	Revision 01; P[x] = dhpico ITX type [1,2,...] example: 01P1 = 487-600 dhpico ITX, 02P1 = 487-700 dhpico ITX
Options	
Fxxx	Flash memory size in 10MB steps ( i.e. 0006 = 64MB, 0012 = 128MB, 0...)
E[x]	E = Ethernet, E[2] = Dual Ethernet
CAN	CAN port
IO	additional IOs
232	RS-232 interface
485	RS-485 interface
LON	LON interface
W	W = WiFi
BT	BT = Bluetooth
LTE	LTE interface