

HMI 10,1" MAS

MAS[®]
ELETTRONICA



HMI

Processor

Nxp i.Mx6 Dual or Quad core

Display

10,1" 1024x600
with Capacitive Touch Pannel

Software

Linux, Yocto



Application areas



INDUSTRIAL



AUTOMOTIVE



MEDICAL

Introduction

The HMI MAS family is a quality and high performance product. Designed to work in Industrial, Automotive and medical environment.

www.masettronica.com

Specification

CPU

CPU Type	x1: i.MX6Solo x2: i.MX6Dual x4: i.MX6Quad
Core Class	ARM Cortex - A9
Core Clock	x1: 800 MHz x2: 1 GHz x4: 1 GHz
Cache	x1: L1 cache: 32 KB for instruction and data caches per core; 512 KB L2 cache x2: L1 cache: 32 KB for instruction and data caches per core; 1 MB L2 cache x4: L1 cache: 32 KB for instruction and data caches per core; 1 MB L2 cache
HW Accelerators	Accuracy: +/- 30 ppm at 25°C

Memory

Emmc	4/8/16 GB MLC eMMC
RAM	x1: 1 GB 32 bit DDR3L X2: 1 or 2 GB 64 bit DDR3L x4: 1or2 GB64bitDDR3L
SD-Card Slot	4 bit MMC/SDIO/SD/SDHC
Supported OS	Linux Yocto

Communication Interfaces

Digital I/O	Internal 3V3 GPIO
Network	1x 10/100/1000 Mbit/s Ethernet (RJ-45)
USB	2x 480 Mbit/s Host (Type A), 1x 480 Mbit/s OTG (Type Micro-AB)
CAN	x1: 1x CAN (ISO/DIS 11898) From internal board
RS-485	Up to 4x RS-485 (Full duplex) From internal board
RS-232	2x RS-232 (RX/TX/CTS/RTS) From internal board

Expansion Slot

MiniPcie	1x Expansion slot for Minipcie boards
4G expansion slot	1x Expansion slot for Minipcie 4G/LTE boards
SATA expansion Slot	expansion for mSATA expansion slot

Video

Video output	Full HD HDMI
---------------------	--------------

Display and Touch

Size	10.1"
Resolution	1024 x 600 pixel
Brightness	Typ. 330 cd/m ²
Viewing Angle	65°,55°,65°,65° (UDRL)
Color	262144
Touch	Capacitive Touch FT5526

Housing

Housing	Aluminium
----------------	-----------

Device Dimensions

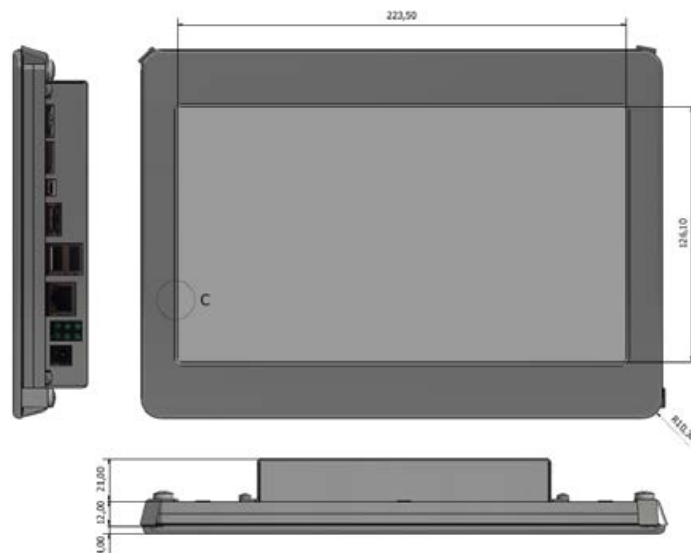
WxHxD	264.3 x 181.1 x 37.7 mm
Weight	TBD

Power Supply

Supply	Nom. 12 V DC
Consumption	MAX 10.2 W

Typical Environmental Conditions

Storage Temp.	-20...+70 °C
Operating Temp.	0...+60 °C



Certifications

★ European CE Mark

The i.Mx6 Mini CPU product is CE compliant.

The CE mark indicate that the product is compliant to all the European Community Directive. MAS Elettronica is not liable about the use of their products associated to other devices not CE Compliant and not compliant with the technical requirements of this document.

★ RoHS and REACH Directive

This product (include all the components, materials for packaging, etc.) must be compliant with the RoHS European directive 2002/95/CE (known as RoHS, Restriction on the use of certain Hazardous Substances) for the use of particular dangerous material on electrical equipment (AEE).

RoHS Directive 2011/65/EU

EN 50581:2012

EN 62321:2009

REACH Regulation (EC) No 1907/2006

