

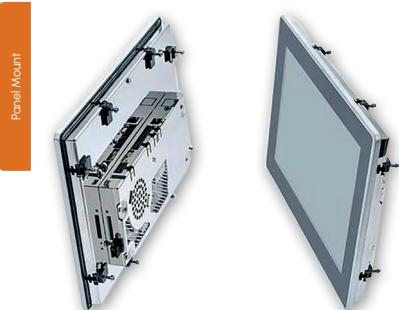
Modular HMI Solutions



Santaro Vision 10.1 PM MX6

10.1 inch Panel Mount HMI based on NXP i.MX6 processor

Large high-resolution touch display



HIGHLIGHTS



CPU
NXP i.MX 6 Family



GRAPHICS
GC320 & GC355 2D accelerator + GC2000 3D accelerator



CONNECTIVITY
1x 100MbE, up to 2x USB, 2x RS232, RS485, CAN



MEMORY
Soldered on Board DDR3L memory



yocto
PROJECT

MAIN FIELDS OF APPLICATION



Medical



Industrial
Automation



Smart Devices



Digital Signage

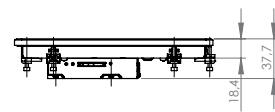
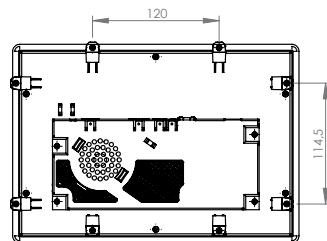
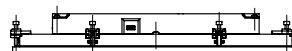
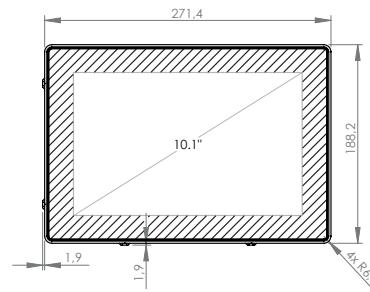
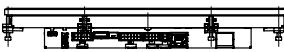
FEATURES

	NXP i.MX 6 Family based on Arm® Cortex®-A9 cores : i.MX 6 Quad – Full featured, 4x Cortex®-A9 cores up to 1.0GHz i.MX 6 Dual – Full featured, 4x Cortex®-A9 cores up to 1.0GHz i.MX 6 Single – Full featured, 4x Cortex®-A9 cores up to 1.0GHz		2x RS-232, RS-485
	1GB 64 bit DDR3L		9 ÷ 32 V _{DC}
	Integrated Graphics, with up to 3 separate HW accelerators for 2D, OpenGL® ES2.0 3D OpenVG™ accelerator HW encoding of MPEG-4, H.263 V2, H.264, MJPEG HW decoding of MPEG-2, VC1, MPEG-4 / XviD, H.263, H.264, DivX		Yocto
	10.1 inch display, resolution 1280 x 800, LED lifetime typ. 50k hours typ. 420 cd/m ² brightness P-Cap (Projected Capacitive touch screen), with 3.0mm toughened glass cover, RAL 9005		0°C ÷ +60°C
	eMMC: 4 GB MLC SD slot: 4 bit MMC/SDIO/SD/SDHC		275.2 x 192.0 x 37.7 mm
	1x 100MbEthernet	*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.	
	1x USB 2.0 OTG micro-AB 1x USB 2.0 Type-A		
	1x speaker (connector), 1W RMS (8Ω) parallel to internal speaker		
	2x Digital Input, 2x Digital Output		

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BLOCK DIAGRAM



M 1:4,5
Schräffur 0,5
Schrift 2,0
Bemaßung grau eingefärbt

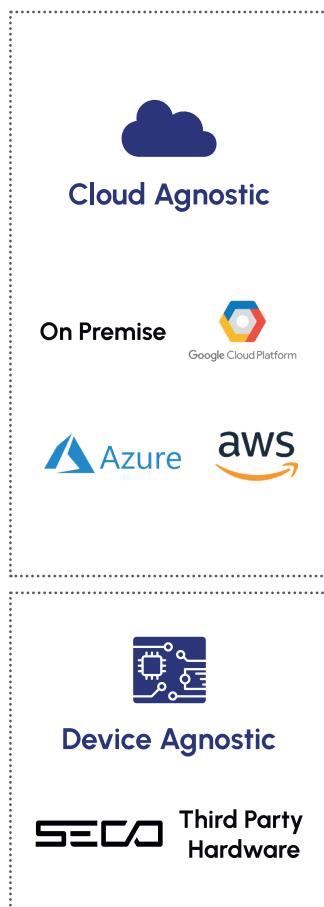
Streamline and expedite your edge computing implementations

EDGEHOG OS

A flexible operating system that adapts to your needs, thanks to the customization tool and Docker support. Reliability and security are built-in through a dual-partition system and native integration with Exein's robust AI-based protection.

DATA ORCHESTRATION

Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.



DEVICE MANAGER

Update, configure, and manage remote devices. Optimize time and costs to maximize operational efficiency and security without the need for costly field interventions.

PORTAL

Analyze data from remote devices, customize the user experience with applications tailored to user needs, and manage user rights, company access, and tenant privileges.

SERVICES

Custom Apps



Device Manager

»Edgehog

Data Orchestration

»Astarte

Portal

EDGEHOG OS

Containers

SDK



Double Partition

Device Manager Agent

Incremental Updates

Immutable OS

Scan to know more about our solution

EDGEHOG OS



CLEA DOCS

