

Modular HMI Solutions



Santino Vision 5 FM MX6

5.0 inch Flush Mount HMI based on NXP i.MX6 processor

Maximum design flexibility with the usual quality

Flush Mount

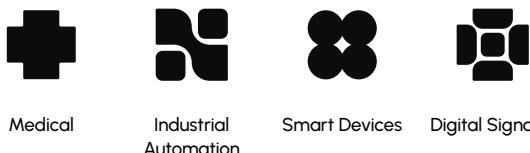


HIGHLIGHTS

 CPU	NXP i.MX 6 Family	 CONNECTIVITY	1x 100MbE, up to 2x USB, 2x RS232, RS485, CAN
 GRAPHICS	GC320 2D accelerator + GC880 3D accelerator	 MEMORY	Soldered on Board DDR3L memory

 **yocto** PROJECT

MAIN FIELDS OF APPLICATION



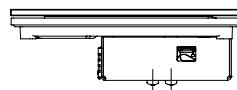
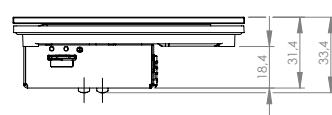
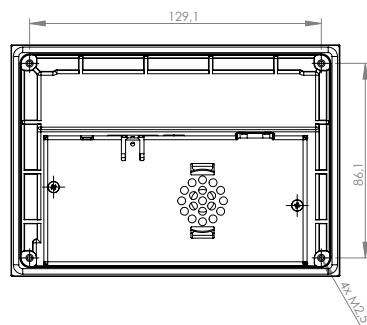
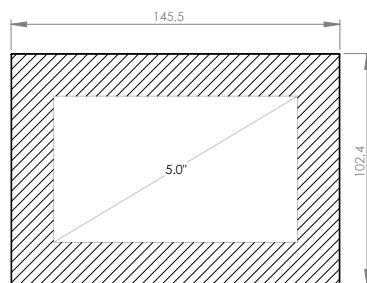
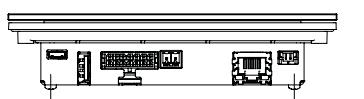
FEATURES

 Processor	NXP i.MX 6 Family, based on Arm® CORTEX-A9 processors: i.MX6S Solo - Single core up to 1 GHz i.MX6DL Dual Lite - Dual core up to 1 GHz per core	 Power Supply	9 ÷ 32 V _{DC}
 Memory	1GB 32 bit DDR3L	 Operating System	Yocto
 Graphics	2D graphics accelerator OpenGL® ES 2.0 3D graphics accelerator with a shader	 CAN Bus	1x CAN (ISO/DIS 11898)
 Video Resolution	5.0 inch display, resolution 800 x 480 LED lifetime typ. 30k hours typ. 420cd/m ² brightness P-Cap (Projected Capacitive touch screen), with 2.8mm toughened glass cover, RAL 9005	 Operating Temperature*	0°C ÷ +60°C
 Mass Storage	eMMC: 4 GB MLC micro SD slot: 4 bit MMC/SDIO/SD/SDHC	 Dimensions	145.5 x 102.4 x 33.4 mm
 Networking	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.	
 USB	1x USB 2.0 OTG micro-AB 1x USB 2.0 Type-A		
 Audio	1x speaker (connector), 1W RMS (8Ω) parallel to internal speaker		
 Serial Ports	RS-232, RS-485		

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BLOCK DIAGRAM



Schrift 2
M1:2,1
Schraffur 1

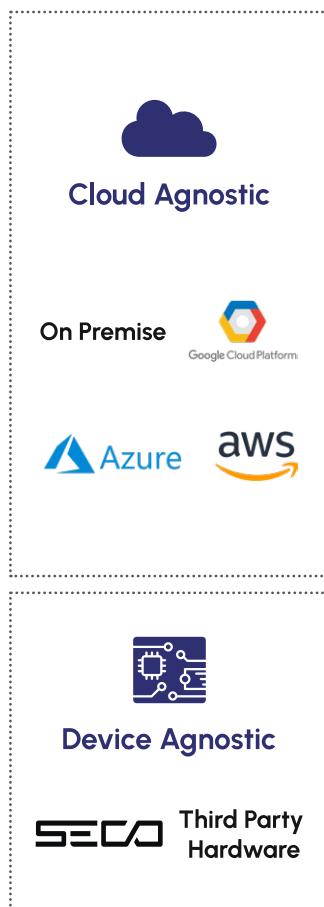
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EDGEHOG OS

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

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