

Modular HMI Solutions



Santino Vision 5 RM MX6

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

Ideal HMI solution for limited installation situations with consistent quality



Rear Mount

HIGHLIGHTS



CPU
NXP i.MX 6 Family



GRAPHICS
GC320 2D accelerator + GC880 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 processors: i.MX6S Solo - Single core up to 1 GHz i.MX6DL Dual Lite - Dual core up to 1 GHz per core
	1 GB 32 bit DDR3L
	2D graphics accelerator OpenGL® ES 2.0 3D graphics accelerator with a shader
	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
	eMMC: 4 GB MLC micro SD slot: 4 bit MMC/SDIO/SD/SDHC
	1x 100MbEthernet
	1x USB 2.0 OTG micro-AB 1x USB 2.0 Type-A
	1x speaker (connector), 1 W RMS (8Ω) parallel to internal speaker
	RS-232, RS-485

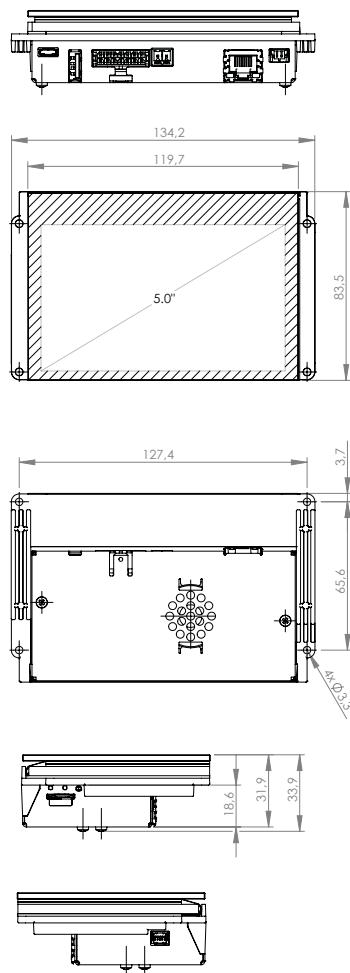
	Power Supply	9 ÷ 32 V _{DC}
	Operating System	Yocto
	CAN Bus	1x CAN (ISO/DIS 11898)
	Operating Temperature*	0°C ÷ +60°C
	Dimensions	134.2 x 83.5 x 33.9 mm

*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.

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BLOCK DIAGRAM



Schrift: 2
M 1:2,1
Schraffur 1

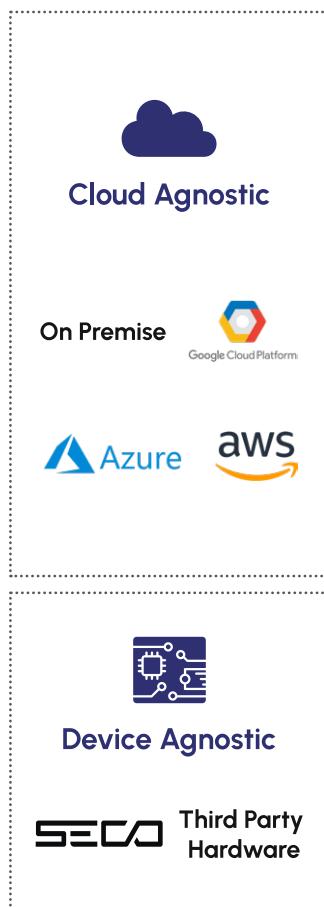
Streamline and expedite your edge computing implementations

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

