



Santino Vision 5 FM MX6

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

Maximum design flexibility with the usual quality



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



Medical



Industrial
Automation



Smart Devices



Digital Signage

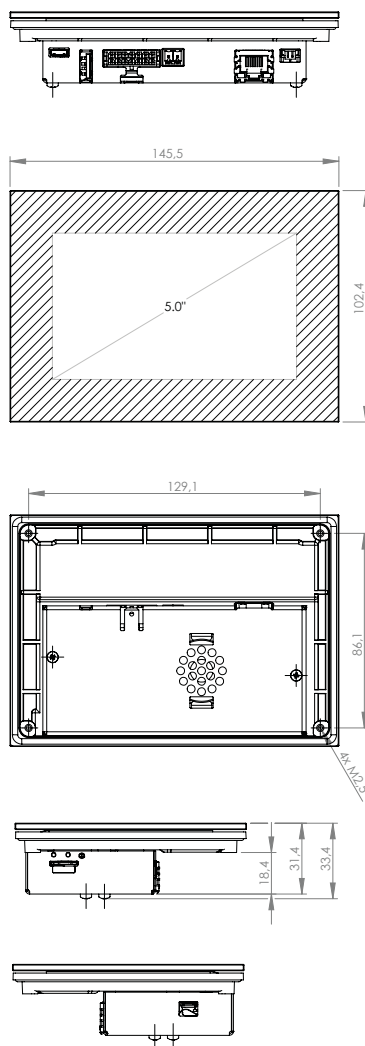
FEATURES

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	1 GB 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/m² 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), 1 W 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

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

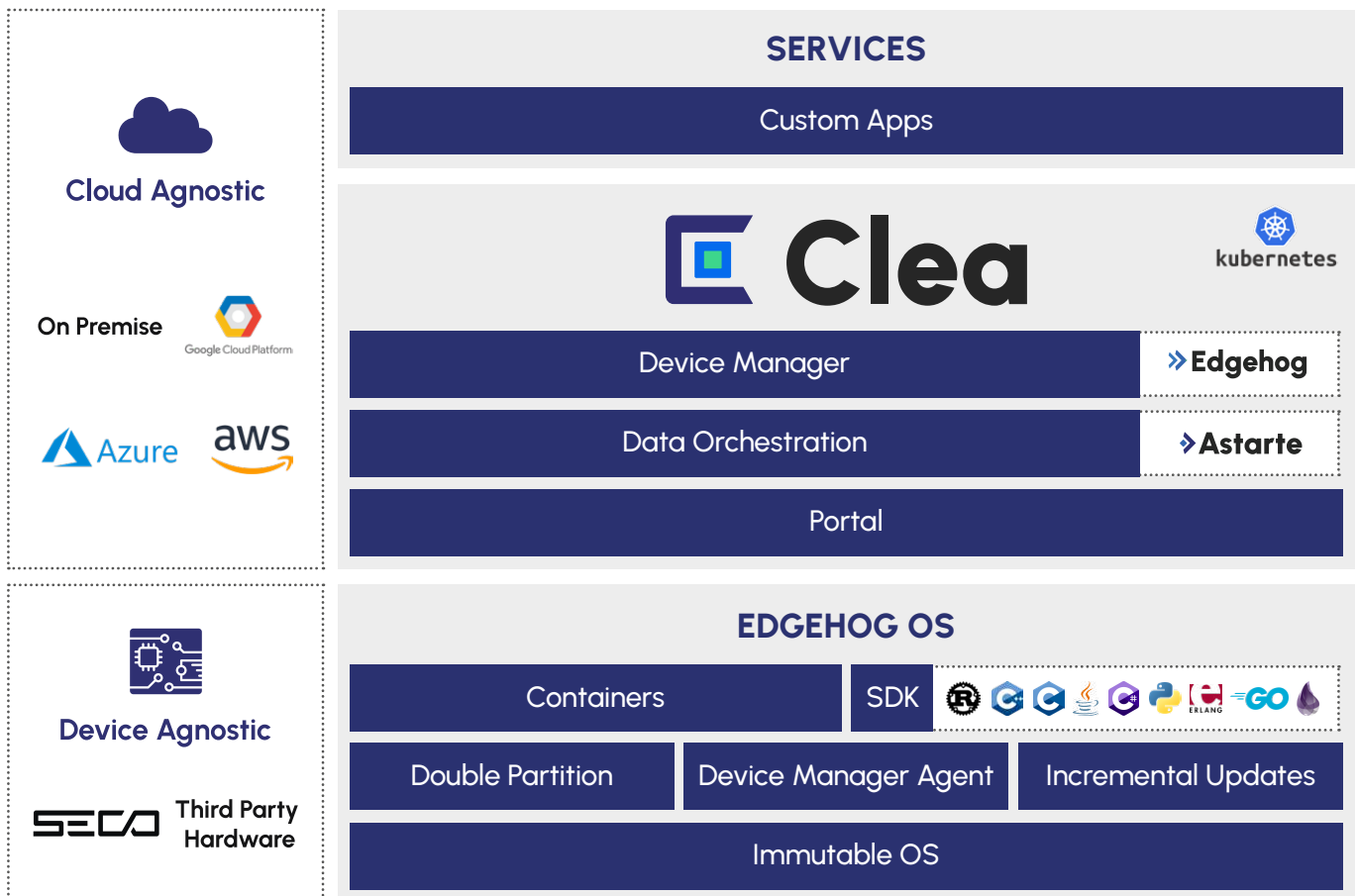
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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PORTAL

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EDGEHOG OS



CLEA DOCS

