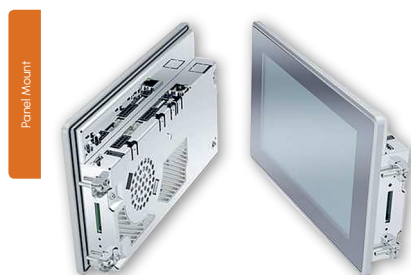# Modular HMI Solutions

Santino Vision 7 PM MX6
7.0 inch Panel Mount HMI based on NXP i.MX6 processor

Fanless industrial PC impresses with simple installation and good performance

Panel 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

GOLD PARTNER NXP

yocto · PROJECT

MAIN FIELDS OF APPLICATION

Medical | Industrial Automation | Smart Devices | Digital Signage

FEATURES

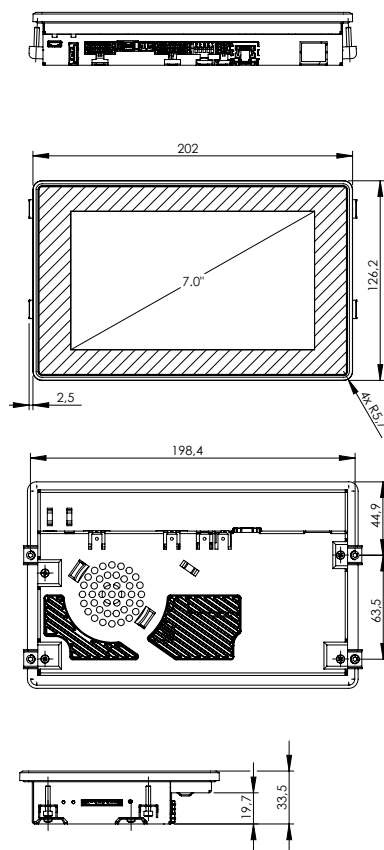|				
Processor	NXP i.MX 6 Family, based on Arm® CORTEX-A9 processors: i.MX6S Solo - Single core up to 1 GHz i.MX6DL Dual Lite - Dual core up to 1 GHz per core	Power Supply	$9 \div 32$ V$_{DC}$	
Memory	1 GB 32 bit LPDDR4	Operating System	Yocto	
Graphics	2D graphics accelerator OpenGL® ES 2.0 3D graphics accelerator with a shader	CAN Bus	1x CAN (ISO/DIS 11898)	
Video Resolution	7.0 inch display, resolution 800 x 480, LED lifetime typ. 50k hours typ. 400 cd/m² brightness P-Cap (Projected Capacitive touch screen), with 1.1mm toughened glass cover, colorless	Operating Temperature*	0°C ÷ +60°C	
Mass Storage	eMMC: 4 GB MLC SD slot: 4 bit MMC/SDIO/SD/SDHC	Dimensions	206.9 x 126.2 x 35.6 mm	
Networking	1x 100MbEthernet			
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	2x RS-232, RS-485			

*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.

SECO

BLOCK DIAGRAM

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.

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.

DATA ORCHESTRATION

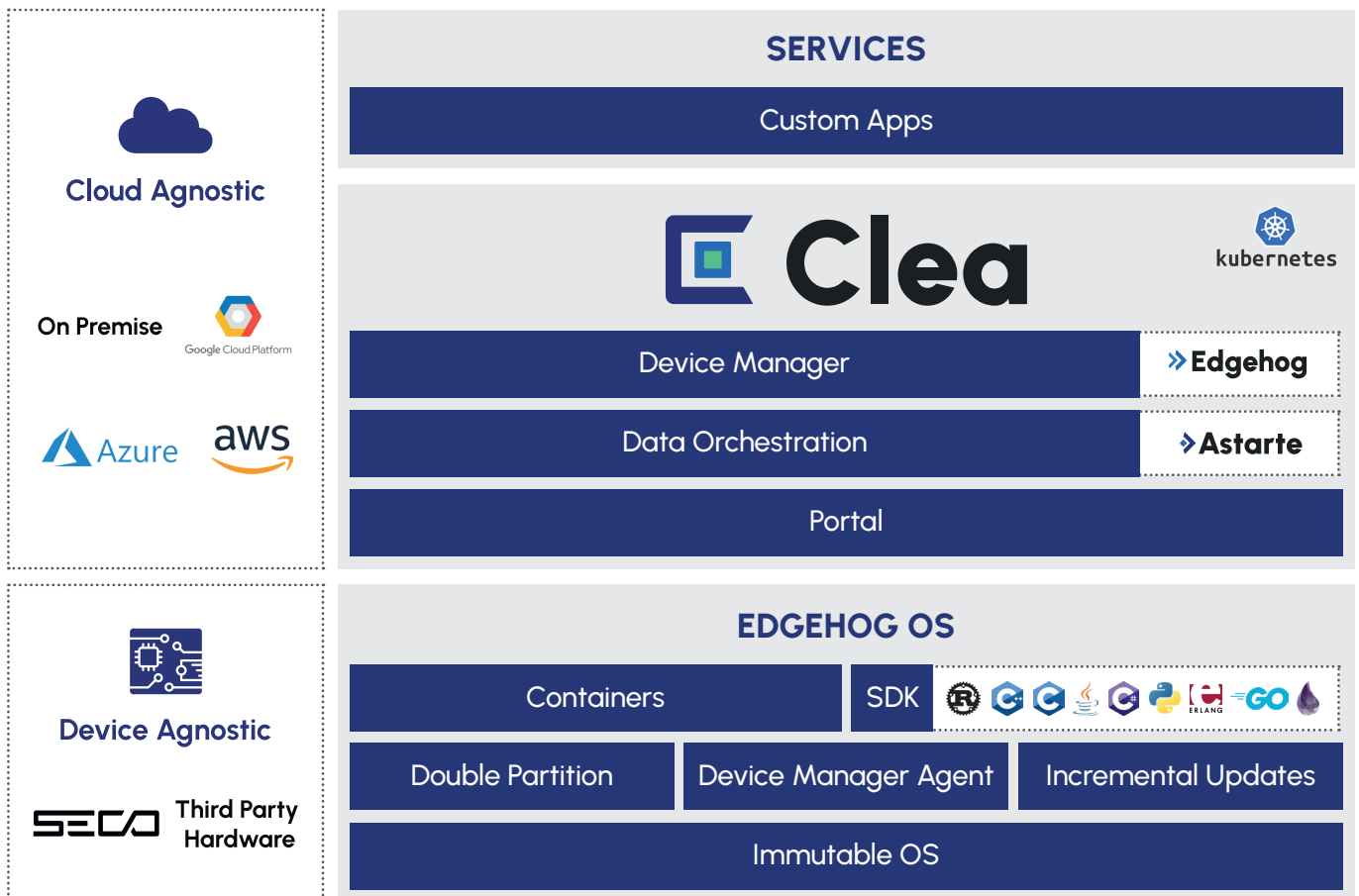Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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.

Cloud Agnostic

On Premise — Google Cloud Platform

Azure — aws

Device Agnostic

SECO — Third Party Hardware

SERVICES
Custom Apps

Clea — kubernetes
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

SECO

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