Modular HMI Solutions

Santino Vision 7 RM MX6

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

Optimal price-performance ratio combined with sophisticated design & easy installation

Rear 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

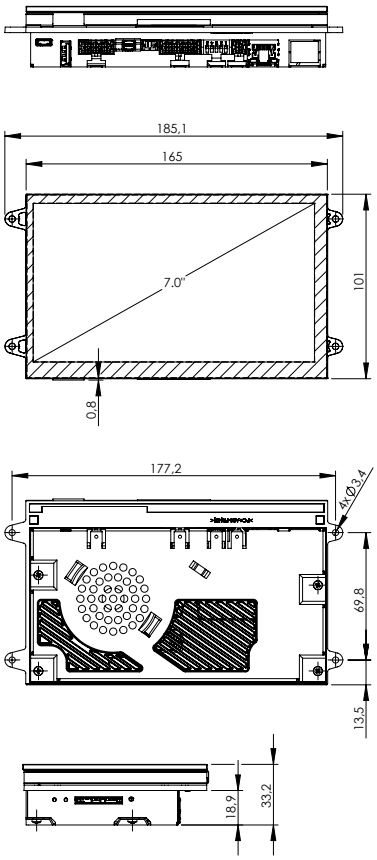
Processor	NXP i.MX 6 Family, based on Arm® CORTEX-A9 processors: i.MX6S Solo - Single core up to 1 GHz i.MX6DL Dual Lite - Dual core up to 1 GHz per core
Memory	1 GB 32 bit LPDDR4
Graphics	2D graphics accelerator OpenGL® ES 2.0 3D graphics accelerator with a shader
Video Resolution	7.0 inch display, 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
Mass Storage	eMMC: 4 GB MLC SD slot: 4 bit MMC/SDIO/SD/SDHC
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

Power Supply	9 ÷ 32 V_{DC}
Operating System	Yocto
CAN Bus	1x CAN (ISO/DIS 11898)
Operating Temperature*	0°C ÷ +60°C
Dimensions	185.1 x 101.6 x 35.2 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.

Information subject to change. Please visit www.edge.seco.com to find the latest version of this datasheet

BLOCK DIAGRAM



Schrift 2.0
Schraffur 0,6
M 1:2,6

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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

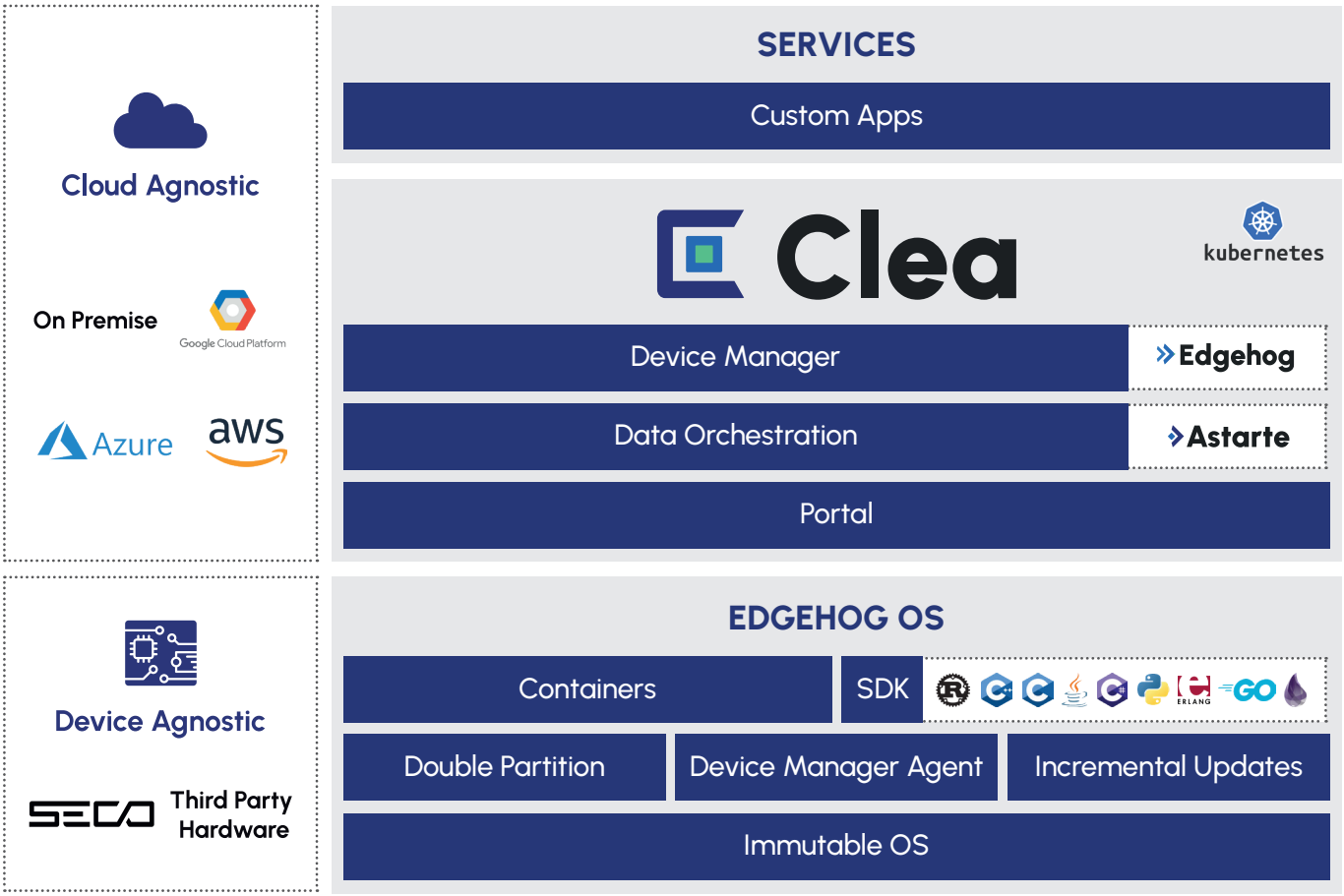
Update, configure, and manage remote devices. Optimize time and costs to maximize operational efficiency and security without the need for costly field interventions.

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.



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EDGEHOG OS

CLEA DOCS

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