Modular HMI Solutions

Santaro Vision 7 RM MX6

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

Ideal HMI solution for outdoor situations with high brightness & particularly robust design

Rear Mount

HIGHLIGHTS

CPU NXP i.MX 6 Family		**CONNECTIVITY** 1x 100MbE, up to 2x USB, 2x RS232, RS485, CAN	
GRAPHICS GC320 & GC355 2D accelerator + GC2000 3D accelerator		**MEMORY** Soldered on Board DDR3L memory	

NXP Gold Partner

yocto PROJECT | HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

MAIN FIELDS OF APPLICATION

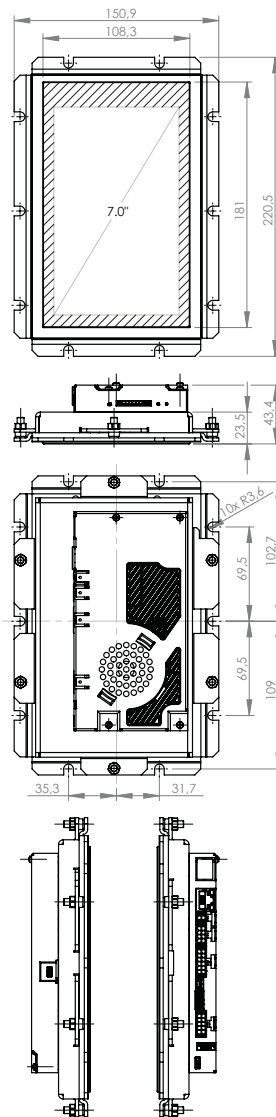Medical   Industrial Automation   Smart Devices   Digital Signage

FEATURES

Processor	NXP i.MX 6 Family based on Arm® Cortex®-A9 cores : i.MX 6 Quad – Full featured, 4x Cortex®-A9 cores up to 1.0GHz i.MX 6 Dual – Full featured, 4x Cortex®-A9 cores up to 1.0GHz i.MX 6 Single – Full featured, 4x Cortex®-A9 cores up to 1.0GHz	Other Interfaces	2x Digital Input, 2x Digital Output
Memory	1 GB 64 bit DDR3L	Serial Ports	2x RS-232, RS-485
Graphics	Integrated Graphics, with up to 3 separate HW accelerators for 2D, OpenGL® ES2.0 3D OpenVG™ accelerator HW encoding of MPEG-4, H.263 V2, H.264, MJPEG HW decoding of MPEG-2, VC1, MPEG-4 / XviD, H.263, H.264, DivX	Power Supply	9 to 32 V_{DC}
		Operating System	Yocto
Video Interfaces	HDMI® interface	CAN Bus	1x CAN (ISO/DIS 11898)
		Operating Temperature*	0°C to +60°C
Video Resolution	7.0 inch display, resolution 1024 x 600, LED lifetime typ. 70k hours typ. 1000 cd/m² brightness P-Cap (Projected Capacitive touch screen) - optical bonded, with 5.0mm toughened glass cover, Pantone black C	Dimensions	220.5 x 150.9 x 43.4 mm
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		

*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.

BLOCK DIAGRAM

Schrift 2.0
Schraffur 0,67
M 1:3,5
Tangent. Kanten raus
nur eine Stelle hinterm Komma

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

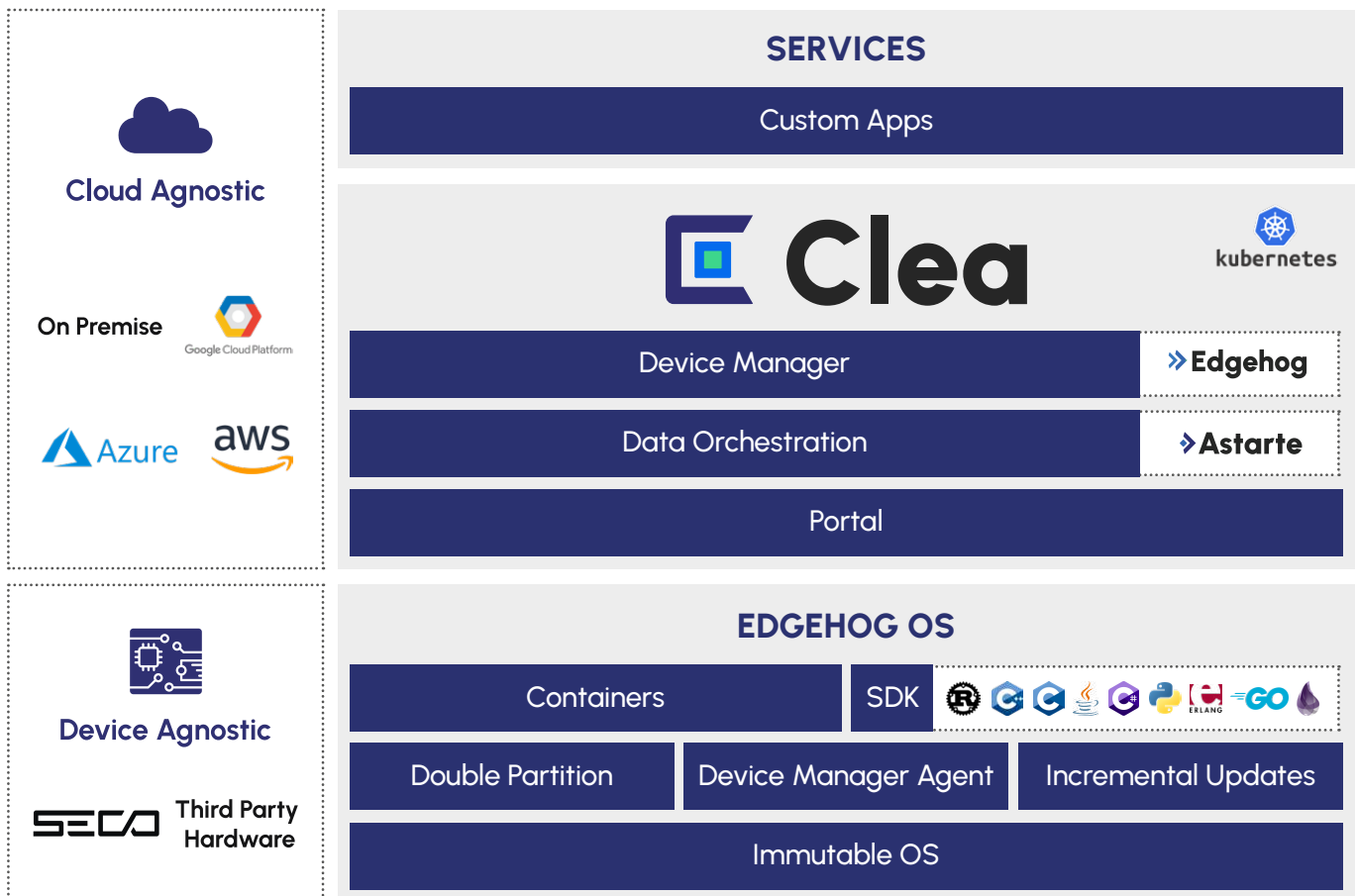Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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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