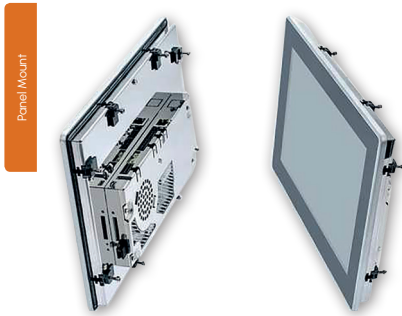




## Santaro Vision 10.1 PM MX6

10.1 inch Panel Mount HMI based on NXP i.MX6 processor

### Large high-resolution touch display



#### 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



**yocto**  
PROJECT

#### MAIN FIELDS OF APPLICATION



Medical



Industrial  
Automation



Smart Devices



Digital Signage

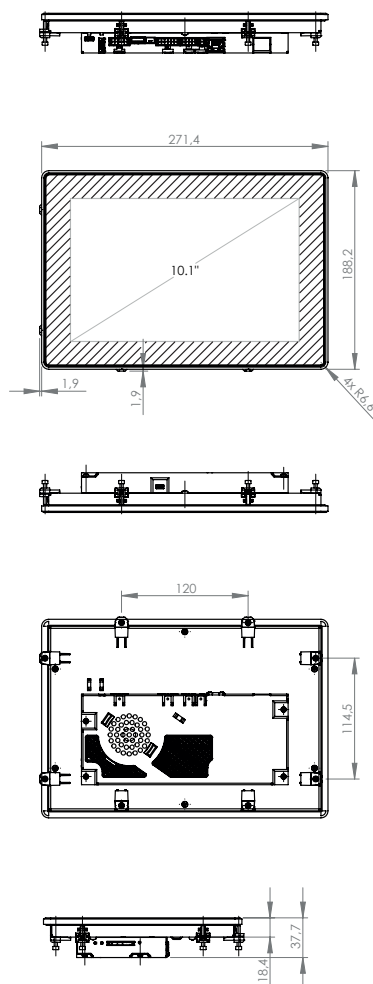
#### FEATURES

Processor	NXP i.MX 6 Family based on Arm® Cortex®-A9 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	Serial Ports	2x RS-232, RS-485
Memory	1 GB 64 bit DDR3L	Power Supply	9 ÷ 32 V <sub>DC</sub>
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	Operating System	Yocto
Video Resolution	10.1 inch display, resolution 1280 x 800, LED lifetime typ. 50k hours typ. 420 cd/m² brightness P-Cap (Projected Capacitive touch screen), with 3.0mm toughened glass cover, RAL 9005	Operating Temperature*	0°C ÷ +60°C
Mass Storage	eMMC: 4 GB MLC SD slot: 4 bit MMC/SDIO/SD/SDHC	Dimensions	275.2 x 192.0 x 37.7 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		
Other Interfaces	2x Digital Input, 2x Digital Output		

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## BLOCK DIAGRAM



M 1:4,5  
Schräffur 0,5  
Schrift 2,0  
Bemaßung grau eingefärbt

# Streamline and expedite your edge computing implementations

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## DATA ORCHESTRATION

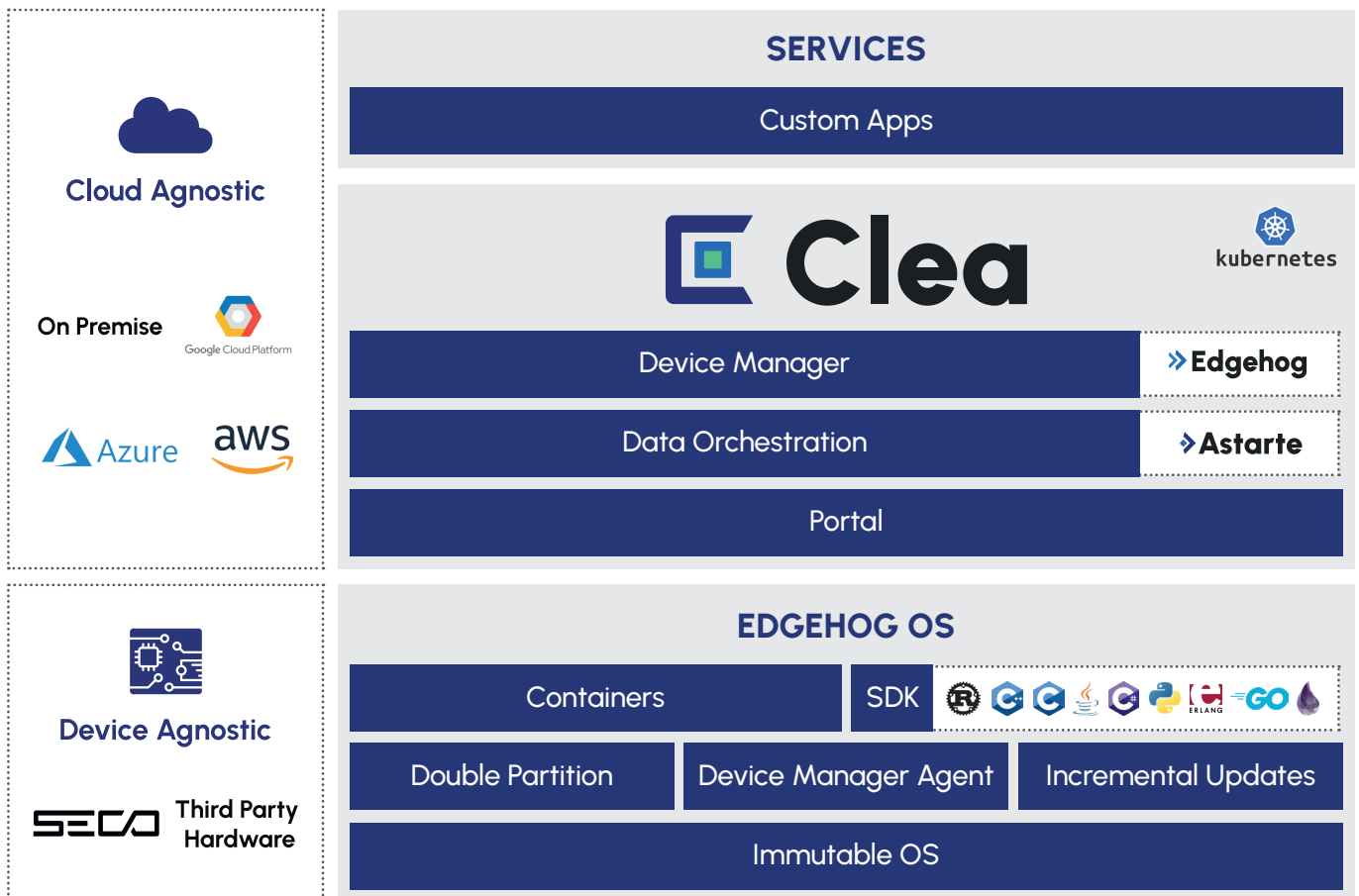
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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

## PORTAL

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EDGEHOG OS



CLEA DOCS

