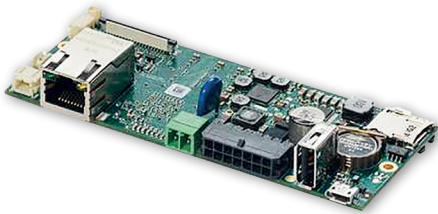




## SBC-SANTINOLT-MX6

Single Board Computer (SBC) based on NXP i.MX6 processor

### Optimized SBC for small sized HMI solutions



#### HIGHLIGHTS



**CPU**  
NXP i.MX 6 Family



**CONNECTIVITY**  
1x 100MbE, 2x USB, 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

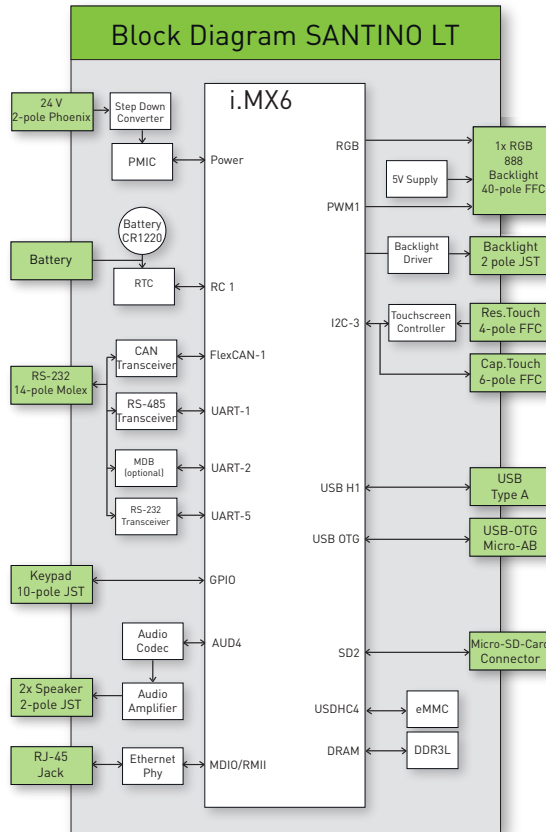
#### FEATURES

|                  |   |  |                        |
|------------------|---|--|------------------------|
| Processor        | NXP i.MX 6 Family, based on Arm® CORTEX-A9 processors:<br>i.MX6S Solo - Single core up to 1 GHz<br>i.MX6DL Dual Life - Dual core up to 1 GHz per core | Operating System   | Yocto                  |
| Memory           | 1 GB 32 bit DDR3L   | CAN Bus  | 1x CAN (ISO/DIS 11898) |
| Graphics         | 2D graphics accelerator<br>OpenGL® ES 2.0 3D graphics accelerator with a shader   | Operating Temperature*   | 0°C ÷ +60°C            |
| Video Interfaces | 24-bit parallel RGB interface   | Dimensions   | 113.0 x 18.0 x 47.0 mm |
| Video Resolution | Up to 1024 x 600, 24bpp   | *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. |                        |
| Mass Storage     | eMMC: 4 GB MLC<br>micro SD slot: 4 bit MMC/SDIO/SD/SDHC   |  |                        |
| Networking       | 1x 100MbEthernet  |  |                        |
| USB              | 1x USB 2.0 OTG micro-AB<br>1x USB 2.0 Type-A  |  |                        |
| Audio            | 1x speaker (connector), 1 W RMS (8Ω) parallel to internal speaker   |  |                        |
| Serial Ports     | RS-232, RS-485  |  |                        |
| Power Supply     | 9 ÷ 32 V <sub>dc</sub>  |  |                        |

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Single Board Computer (SBC) based on NXP i.MX6 processor

## 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.

## DATA ORCHESTRATION

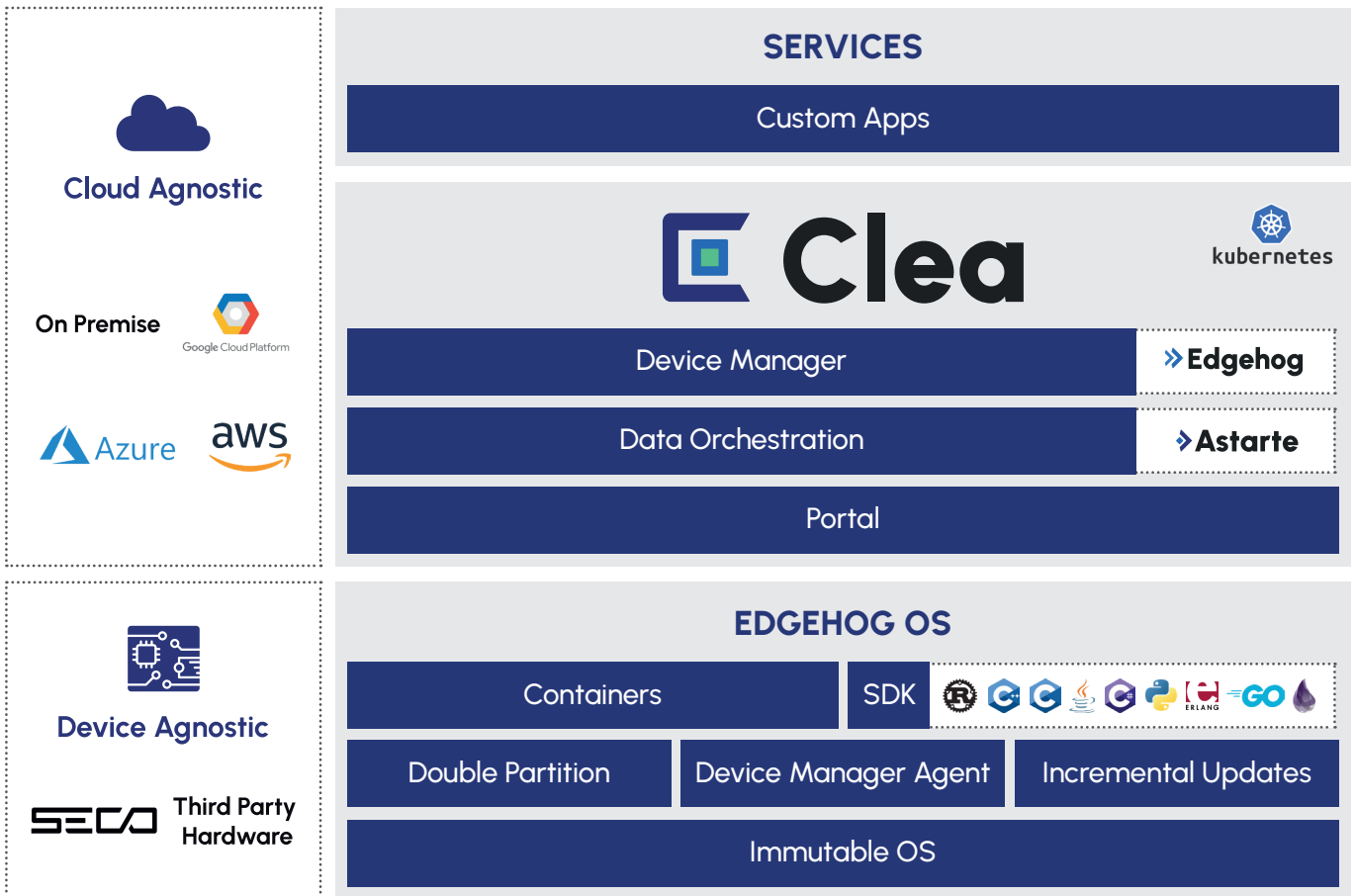
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

## 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.

## 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.



Scan to know more about our solution

EDGEHOG OS



CLEA DOCS

