



Santoka Vision 10.1 FM MX6

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

The integrated Single Board Computer, integrated in this HMI from the SANTOKA series, opens up the world of IOT to your product

HIGHLIGHTS



CPU
NXP i.MX 6 Family



CONNECTIVITY
2x 100MbE, up to 3x USB, 2x RS232, RS485, CAN



GRAPHICS
GC320 & GC355 2D accelerator + GC2000 3D accelerator



MEMORY
Soldered on Board DDR3L memory



yocto
PROJECT

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

MAIN FIELDS OF APPLICATION



Medical



Industrial
Automation



Smart Devices



Digital Signage

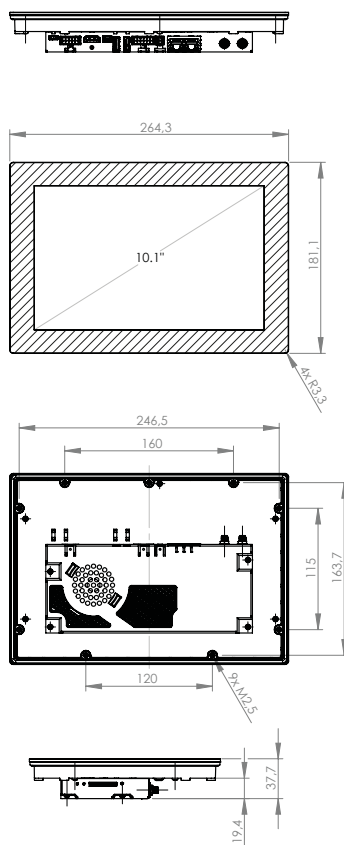
FEATURES

| | | | | |
|--|------------------|---|--|-------------------------|
| | Processor | NXP i.MX 6 Family based on Arm® Cortex®-A9 cores : i.MX 6 Quad Plus – Full featured, 4x Cortex®-A9 cores up to 1.0GHz 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 _{DC} |
| | 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, VCI, MPEG-4 / XviD, H.263, H.264, DivX | Operating System | Yocto |
| | Video Interfaces | HDMI® interface | CAN Bus | 1x CAN (ISO/DIS 11898) |
| | 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 | 197.0 x 128.0 x 35.9 mm |
| | Networking | 2x 100MbEthernet mPCIe (half size) socket for modems or Wifi/BT | *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 up to 2x USB 2.0 Type-A | | |
| | Audio | 1x speaker (connector), 1 W RMS (8Ω) parallel to internal speaker | | |

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BLOCK DIAGRAM



M 1:4,5
 Schraffur 0,5
 Schrift 2,0
 tangentielle Kanten
 aus Seitenansichten raus

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

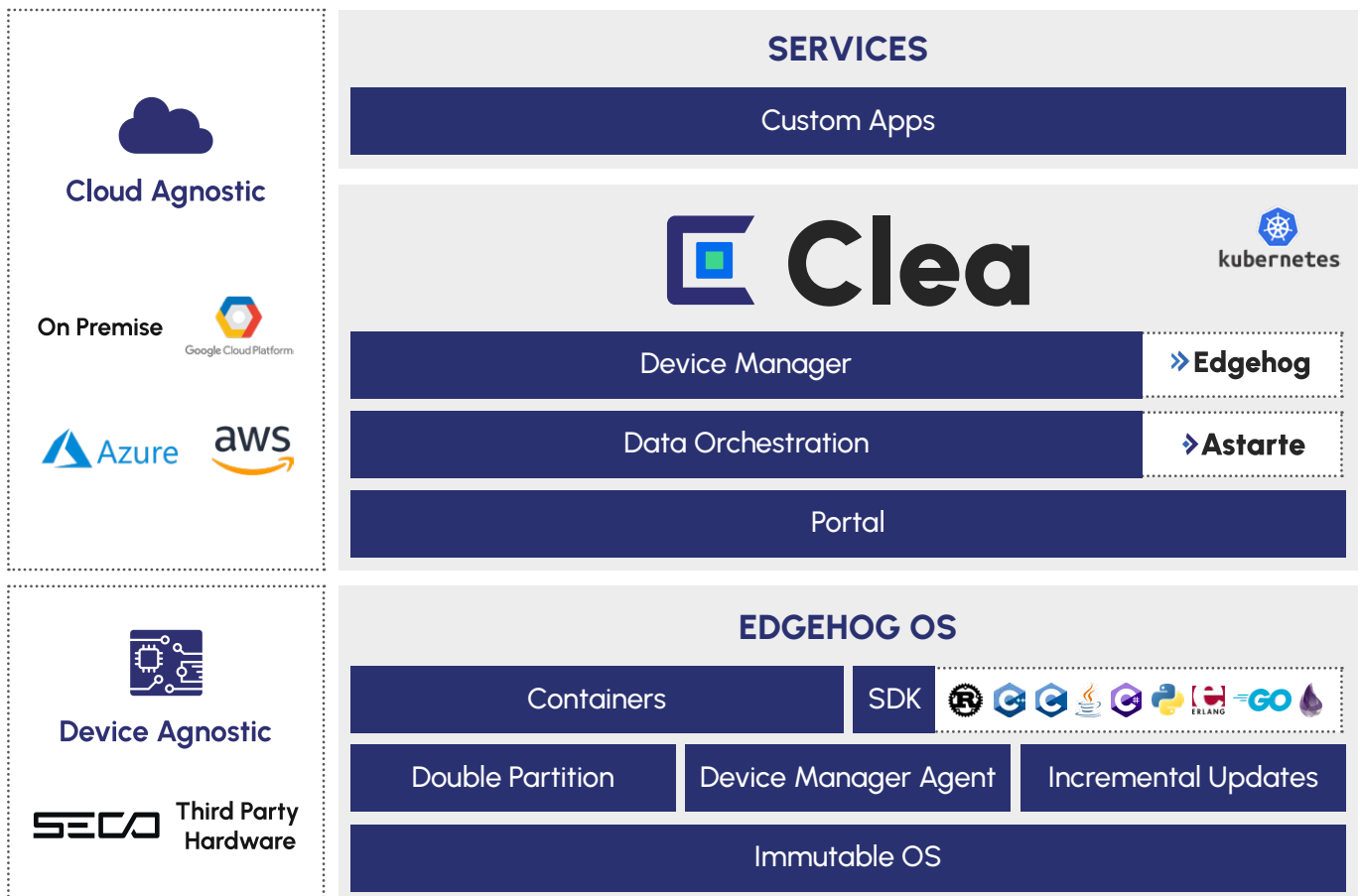
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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

