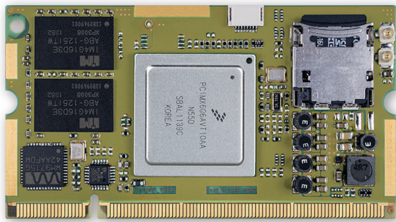




## SOM-Trizeps-VII-MX6

SODIMM-200 CPU-Module with NXP i.MX6 Applications Processors

### High-performance i.MX6 CPU module with compact dimensions



#### HIGHLIGHTS



##### CPU

NXP i.MX6 Applications Processors. Solo up to QuadCore



##### CONNECTIVITY

1x 100/1000 Megabit Ethernet, WiFi/BT, USB 2.0, PCIe, HDMI®



##### GRAPHICS

Vivante GC3500 2D accelerator + Vivante GC2000 3D accelerator



##### MEMORY

Up to 2 GB LPDDR3-1066 RAM memory, 64 Bit

Available in Industrial Temperature Range



#### MAIN FIELDS OF APPLICATION



Coffee & Vending



Medical



Transportation



Industrial Automation



Smart Devices



Smart Buildings & Smart Cities



Digital Signage



Energy & Utilities

#### FEATURES

Processor	NXP i.MX M6 Family based on Arm® Cortex®-A9 cores <ul style="list-style-type: none"> <li>· i.MX 6Solo - 1x Cortex®-A9 core up to 1.0GHz</li> <li>· i.MX 6DualLite - 2x Cortex®-A9 cores up to 1.0GHz</li> <li>· i.MX 6Dual - 2x Cortex®-A9 cores up to 1.0GHz</li> <li>· i.MX 8Quad - 4x Cortex®-A9 cores up to 1.0GHz</li> </ul>	Serial Ports	3x UART
Memory	Soldered down LPDDR3-1066 memory up to 2 GB, 64-bit interface	Other Interfaces	2x FlexCAN S-ATAII 2x 4 Bit wide SDIO RTC SPDIF Address-Data-Bus 2x I2C 2x SPI GPIOs 2x PWM
Graphics	Vivante GC3500 2D Hardware accelerator Vivante GC2000 3D Hardware accelerator, supports OpenGL® ES 2.0 3D Dedicated Vector Graphics accelerator, supports OpenVG™ (only i.MX 6Dual and i.MX 6Quad) Supports up to 3 independent displays with i.MX 6Dual and i.MX 6Quad Supports 2 independent displays with i.MX 6DualLite and i.MX 6Solo	Power Supply	3.3 V <sub>DC</sub>
Video Interfaces	HDMI® v1.4, 2x LVDS, LCD 24 Bit RGB, MIPI	Operating System	Linux Android Windows Embedded Compact 7, 2013 Windows 10 IoT Core
Video Resolution	LVDS, up to 1920x1200 HDMI®, up to 1080p	Operating Temperature*	-40 ÷ 85°C (industrial) -20 ÷ 85°C (Extended Consumer) 0 ÷ 70°C (Consumer)
Mass Storage	Onboard 4 Bit wide µSD Card Socket or onboard 8 Bit wide eMMC	Dimensions	67.6 x 36.7 x 6.4 mm
Networking	1x 100 Mbit Ethernet RGMII PHY or 1000 Mbit Ethernet RGMII interface Optional: WiFi 802.11 a/b/g/n/e/i/h/d/k/r/w, BT 3.0+ EDR	*All carrier board components must remain within the operating temperature at any and all times, including start-up; carrier operating temperature is independent of the module installed. Please refer to the specific module for more details. Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider specific cooling solutions for the final system.	
USB	1x USB 2.0 OTG and 1x USB 2.0 Host		
PCI-e	1 x PCI-e		
Audio	AC'97 Audio Codec with 4/5 wires res. Touch and 4x 12 Bit ADC (2x comparator inputs for battery monitoring); Stereo: Line-in, Mic-in, Speaker-out, Headphone out		

# 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

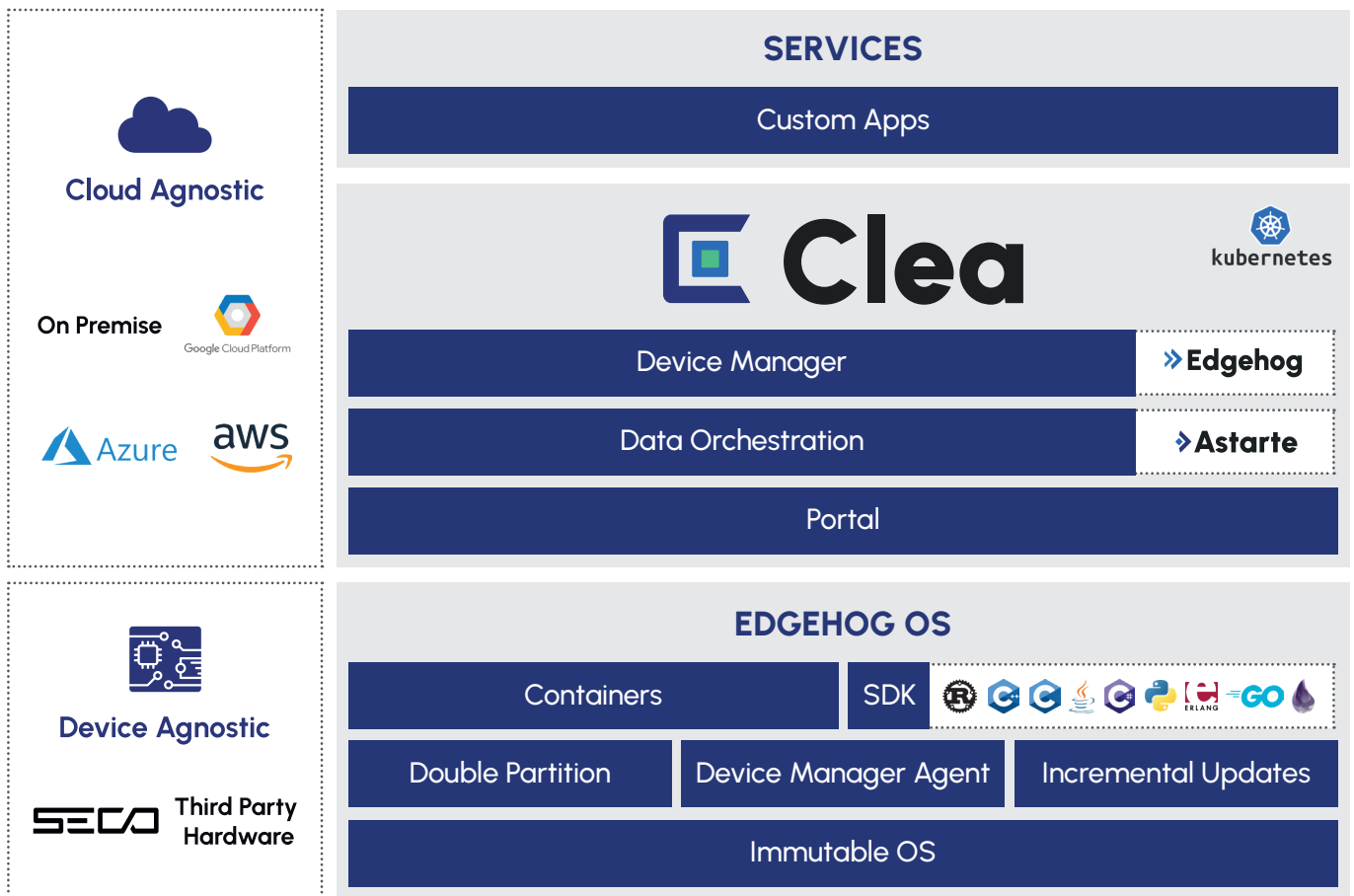
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

## 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

