



## Titan 200 MX8

Fanless embedded computer based on NXP i.MX 8 Applications Processors

## NXP i.MX 8 processors in a boxed solution for Edge Computing applications



### HIGHLIGHTS



**CPU**  
NXP i.MX 8 Family



#### CONNECTIVITY

2x GbE; 1x USB3.0; 1x USB2.0; 1x RS-232; 1x multistandard RS-485 / RS-422;  
Optional WiFi+BT add-on module; Optional WWAN add-on module



**GRAPHICS**  
Dual Vivante GC7000 GPU /  
Dual Vivante GC7000Lite GPU



#### MEMORY

Up to 8GB LPDDR4-1600 on-board memory



### MAIN FIELDS OF APPLICATION



Medical



Industrial  
Automation



Digital Signage

### FEATURES

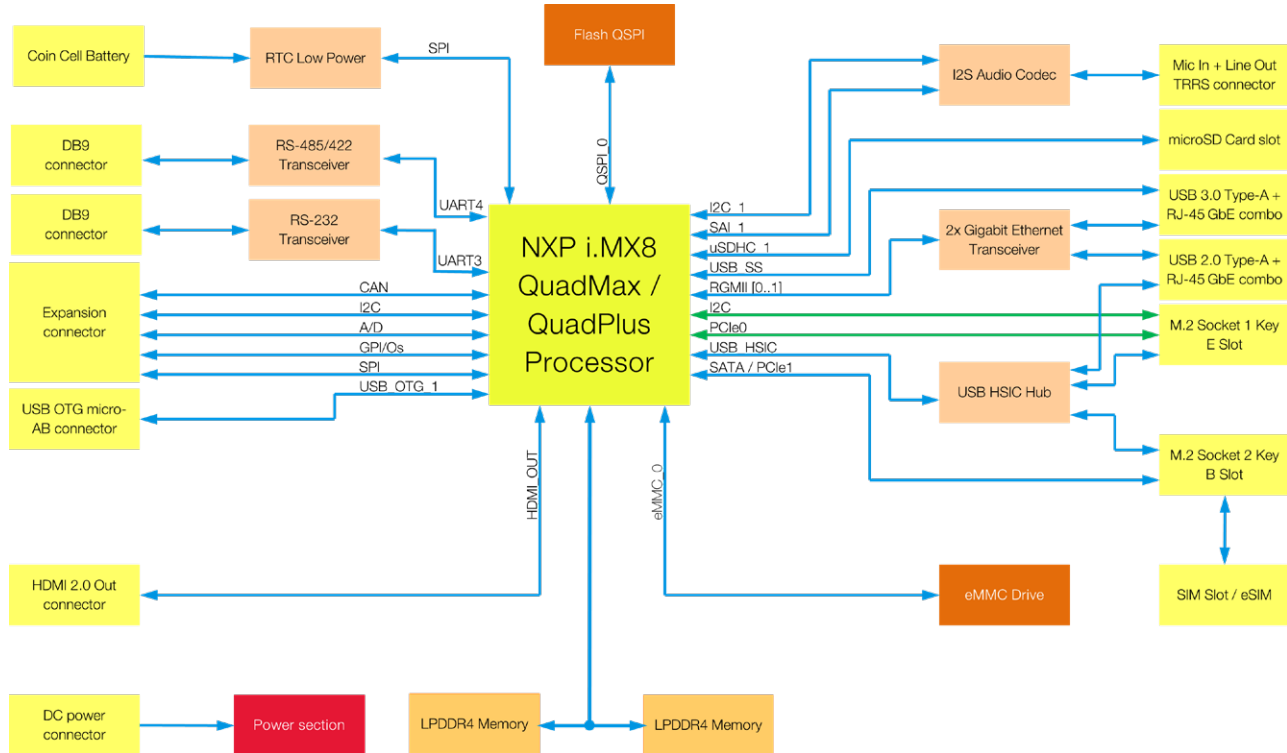
Processor	i.MX 8 QuadMax: Dual A72-core, Quad A53-core, Dual M4F-core i.MX 8 QuadPlus: Single A72-core, Quad A53-core, Dual M4F-core	Other Interfaces	Optional 2x 12 poles terminal block connectors with the following I/O: • 2x CAN • 4x GPIOs • 4x Analog Inputs • 1x SPI • 1x I2C • 1x 5V • 1x 3.3V • 1x 12V • 3x GND  Power ON Button with integrated LED microSIM slot soldered on-board for the Modem Coin cell battery holder for RTC Optional 4x SMA connectors for external WiFi / WWAN antennas
System Memory	64-bit soldered down LPDDR4-1600 memory, up to 8GB		
Graphics	2x Graphics accelerators Vivante GC7000 / XVSX for QuadMax and GC7000Lite / XVSX for QuadPlus 1x embedded VPU, supporting H.265 (4K30) and H.264 (1080p60) decoding and H.264 (1080p30) encoding		
Video Interfaces	HDMI® output (Micro) (HDMI 2.0a Tx interface)		
Video Resolution	Up to 4K		
Mass Storage	Optional eMMC 5.1 drive on-board, up to 64GB M.2 Key B slot for optional SSD drive, up to 512GB microSD card slot (accessible from panel)	Other	Optional VESA 100 bracket accessory Optional DIN standard mounting plate accessory
Networking	2x Gigabit Ethernet RJ45 connectors M.2 WLAN Connectivity Slot for optional accessory WiFi + BT external module, external antennas M.2 WWAN Connectivity Slot for optional accessory Modem modules (excludes SSD Drive), external antennas	Power Supply	+12V <sub>DC</sub> , Mini-Fit Power connector
USB	1 x USB 3.0 Host port on Type-A socket 1 x USB 2.0 Host port on Type-A socket 1 x USB 2.0 micro-AB connector (OTG)	Operating System	Linux Android (planned)
Serial Ports	1 x RS-232 port on DB9-M connector 1 x multistandard RS-485 / RS-422 port on DB9-M connector	Operating Temperature*	0°C ÷ +50°C
Audio	Line Out + Mic In combo TRRS audio jack	Dimensions	181 x 109 x 75 mm

\*Measured at any point of the heatspreader/heatsink during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.

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## 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

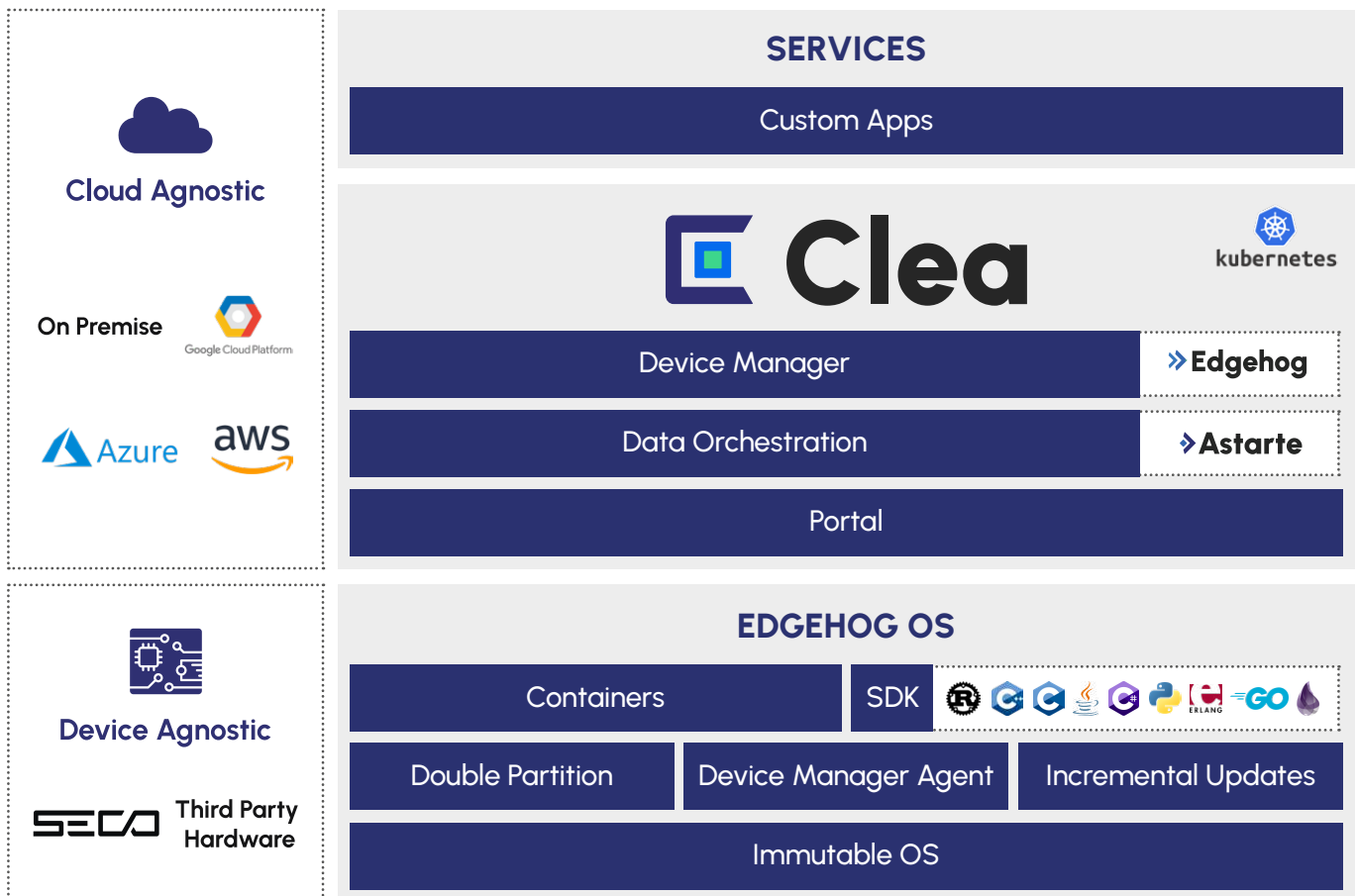
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

## 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

