

FANLESS EMBEDDED COMPUTERS



Titan 225 RK3399

Fanless embedded computer based on Rockchip RK3399 Applications Processor

The right match between performance and power in a box PC



HIGHLIGHTS



CPU
Rockchip RK3399



CONNECTIVITY

2x GbE; 2x USB3.0; 2x USB2.0; 2x RS-232 or RS-485;
Optional on-board WiFi+BT; Optional on-board LTE modem



GRAPHICS
4-Core Mali-T860MP4 GPU



MEMORY

Up to 4GB LPDDR4 on-board memory



MAIN FIELDS OF APPLICATION



Coffee &
Vending



Smart Devices



Digital Signage

FEATURES

	Processor	Rockchip RK3399 processor, 2x Cortex®-A72 MP cores + 4x Cortex®-A53 MPCores, up to 1.8GHz, 64-bit architecture	
	System Memory	64-bit soldered down LPDDR4 memory, up to 4GB	
	Graphics	4-Core Mali-T860MP4 GPU OpenGL ES 1.1/2.0/3.0/3.1, OpenVG 1.1, OpenCL, DX11 support Embedded VPU, able to offer: - H.265 10-bit, H.264 10-bit, VP9 8-bit 4Kx2K@60fps HW Decoding - MPEG-4/MPEG-2/VP8 1080p@60fps HW Decoding - H.264, VP8 1080p@30fps HW encoding	
	Video Interfaces	HDMI® connector (HDMI 1.4 / 2.0a) DP interface on USB Type-C connector (Alternate mode)	Optional 2x 12 poles terminal block connectors with the following I/O: - 2x CAN - 3x GPIOs - 1x Open Drain Output - 1x PWM - 1x I2C - 1x 5V - 1x 3.3V - 1x 12V - 3x GND Power ON Button with integrated LED miniSIM slot soldered on-board for the Modem Optional 4x SMA connectors for external WiFi / WWAN antennas
	Video Resolution	Up to 4K	
	Mass Storage	Optional eMMC 5.1 drive on-board, up to 64GB	
	Networking	2x Gigabit Ethernet RJ45 connectors Optional on-board WiFi (802.11 ac / a / b / g / n) +BT 5.0 module, external antennas* Optional on-board LTE modem with miniSIM slot or eSIM, external antennas* *Certification upon request	Other Optional VESA 100 bracket accessory Optional DIN standard mounting plate accessory
	USB	2 x USB 2.0 on Dual Type-A socket 1 x USB 3.0 Type-C connector (alternate mode with DP) 1 x USB 3.0 Type-A connector	
	Serial Ports	2 x RS-232 or RS-485 ports (factory options) on DB9-M connectors	Power Supply +12V _{DC} ÷ +24V _{DC} , DC Power Jack
	Audio	Lineout + MicIn combo TRRS Audio Jack	
			Operating System Linux Yocto Android (planned)
			Operating Temperature* 0°C ÷ +50°C
			Dimensions 181 x 109 x 75 mm

*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.

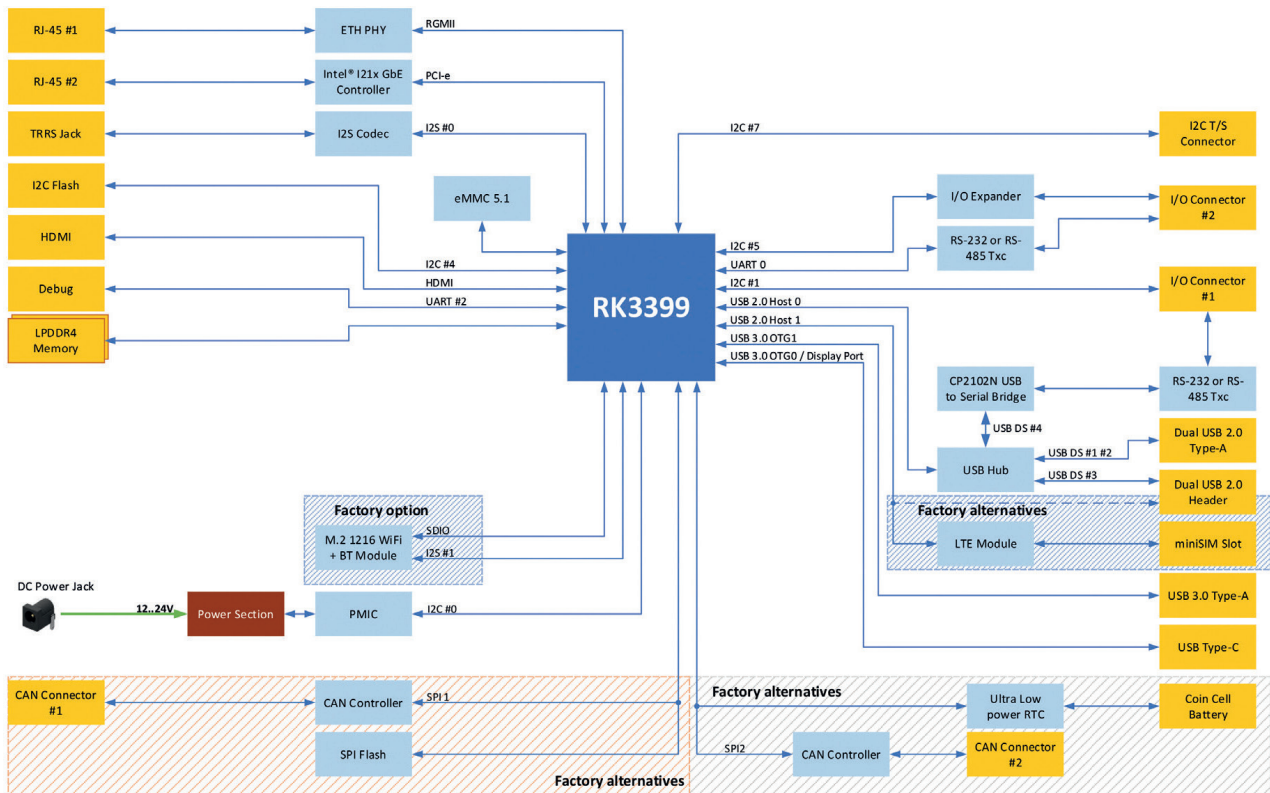


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BLOCK DIAGRAM



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

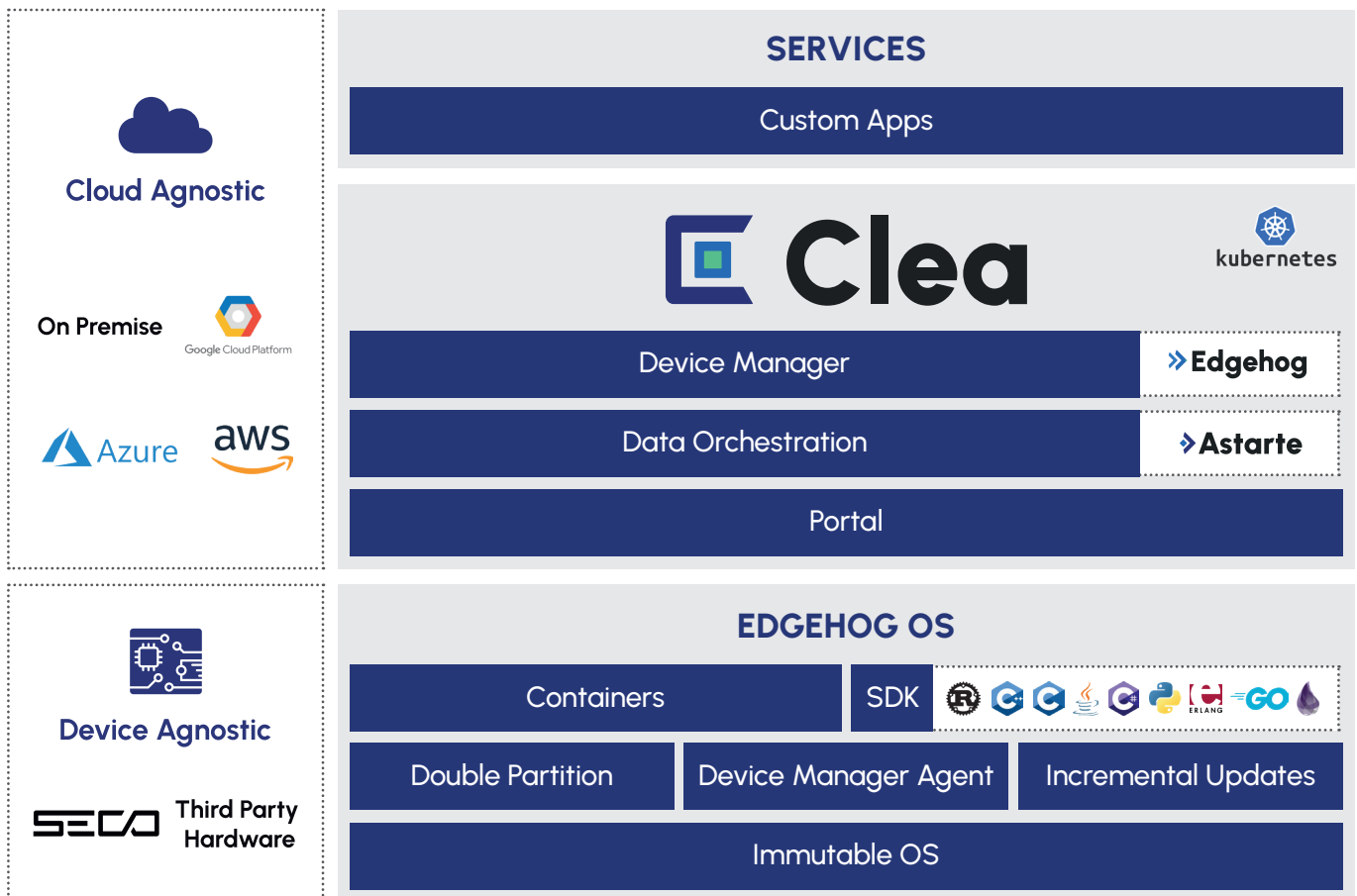
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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

