

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



GRAPHICS
4-Core Mali-T860MP4 GPU



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



MEMORY
Up to 4GB LPDDR4 on-board memory

Rockchip
瑞芯微电子

Linux Android Yocto

MAIN FIELDS OF APPLICATION



Coffee &
Vending



Smart Devices



Digital Signage

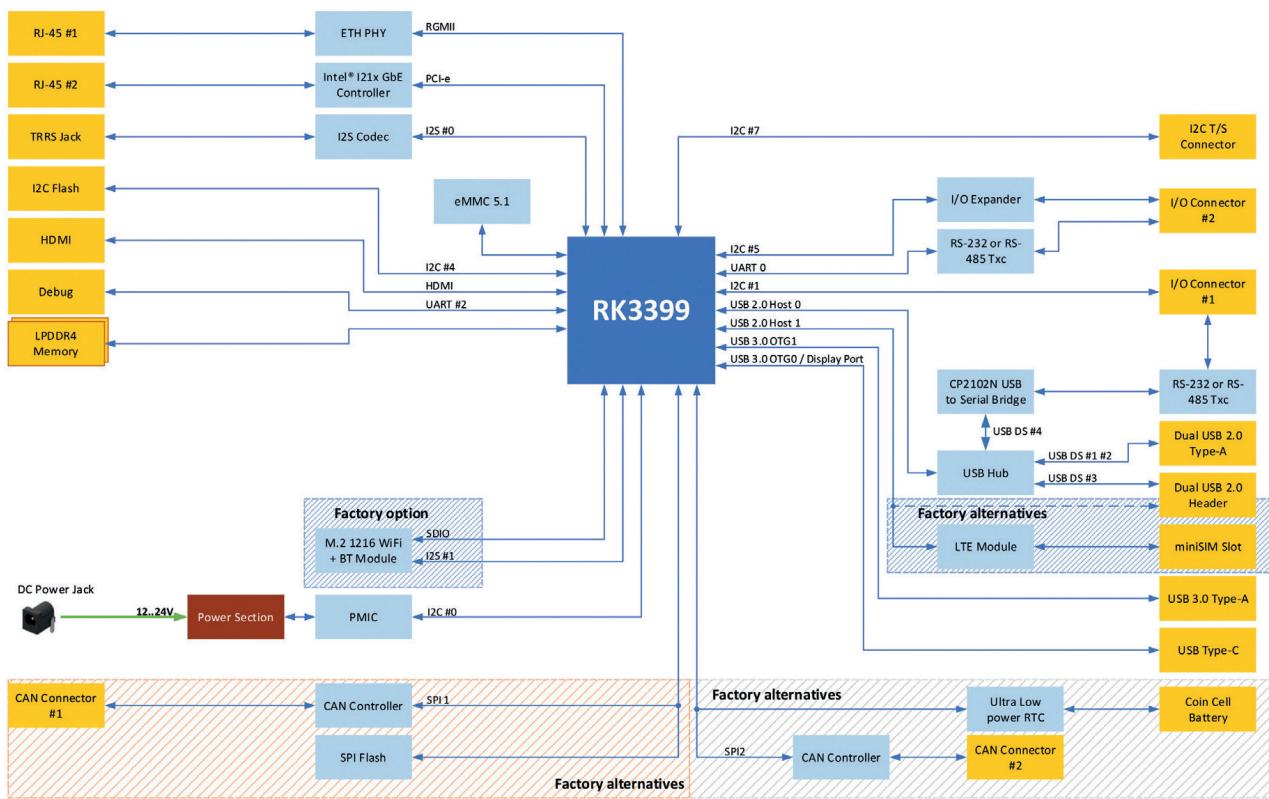
FEATURES

	Processor	Rockchip RK3399 processor, 2x Cortex®-A72 MP cores + 4x Cortex®-A53 MPCores, up to 1.8GHz, 64-bit architecture		Optional 2x 12 poles terminal block connectors with the following I/O: <ul style="list-style-type: none">2x CAN3x GPIOs1x Open Drain Output1x PWM1x I2C1x 5V1x 3.3V1x 12V3x GND
	System Memory	64-bit soldered down LPDDR4 memory, up to 4GB		Power ON Button with integrated LED
	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: <ul style="list-style-type: none">H.265 10-bit, H.264 10-bit, VP9 8-bit 4Kx2K@60fps HW DecodingMPEG-4/MPEG-2/VP8 1080p@60fps HW DecodingH.264, VP8 1080p@30fps HW encoding		miniSIM slot soldered on-board for the Modem Optional 4x SMA connectors for external WiFi / WWAN antennas
	Video Interfaces	HDMI® connector (HDMI 1.4 / 2.0a) DP interface on USB Type-C connector (Alternate mode)		Optional VESA 100 bracket accessory Optional DIN standard mounting plate accessory
	Video Resolution	Up to 4K		+12V _{DC} ÷ +24V _{DC} , DC Power Jack
	Mass Storage	Optional eMMC 5.1 drive on-board, up to 64GB		Linux Yocto Android (planned)
	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*		0°C ÷ +50°C
		*Certification upon request		181 x 109 x 75 mm
	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		*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.
	Serial Ports	2 x RS-232 or RS-485 ports (factory options) on DB9-M connectors		
	Audio	Lineout + MicIn combo TRRS Audio Jack		

Titan 225 RK3399

Fanless embedded computer based on Rockchip RK3399 Applications Processor

BLOCK DIAGRAM



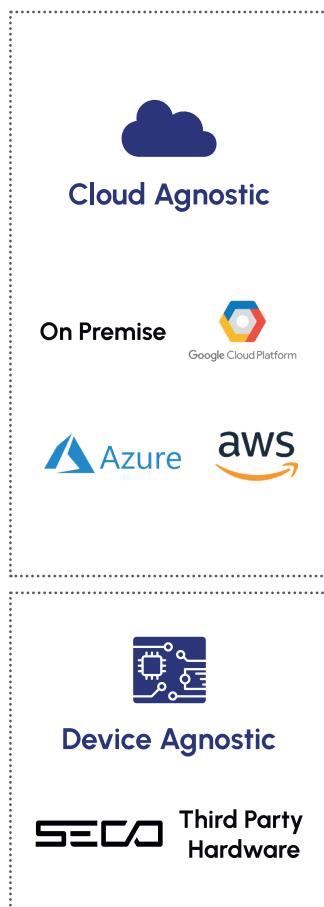
Streamline and expedite your edge computing implementations

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.



Scan to know more about our solution

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.

SERVICES

Custom Apps



Device Manager

»Edgehog

Data Orchestration

»Astarte

Portal

EDGEHOG OS

Containers

SDK



Double Partition

Device Manager Agent

Incremental Updates

Immutable OS



EDGEHOG OS

CLEA DOCS

