



Pi Vision 10.1 CM5

10.1 inches HMI based on Raspberry Pi Compute Module 5

Industrial 10.1Inch HMI with Raspberry Pi CM5 for superior performance and connectivity



HIGHLIGHTS

CPU Powered by Raspberry Pi Compute Module 5	IP CLASSIFICATION IP54 front panel, when installed
MOUNTING OPTIONS VESA add-on, Panel mount brackets, Rear mount adaptor, DIN adapter add-on	DISPLAY 10.1" Touch display HD



MAIN FIELDS OF APPLICATION



Smart Devices



Industrial Automation



Smart Buildings & Smart Cities



Digital Signage

FEATURES

Processor	Broadcom BCM2712 quad-core 64-bit Arm Cortex-A76 (Arm v8) SoC @ 2.4GHz	Graphics	VideoCore V3D VII GPU 800 MHz
Memory	Up to 8GB LPDDR4-4267 SDRAM with ECC	Power Supply	External +5V USB-C PSU
Mass Storage	Up to 64GB eMMC flash memory microSD card socket for CM5Lite modules	Operating System	Clea OS (Linux Yocto) Raspberry Pi OS
Networking	2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac wireless Bluetooth 5.0, BLE 1x Gigabit Ethernet PHY supporting IEEE 1588	Operating Temperature*	0 ÷ 60 °C
USB	2 × USB 3.0 sockets	Dimensions	270.1 x 187.1 x 51.7 mm
PCI-e	M.2 M key PCIe socket	*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.	
Video Resolution	10.1" display, resolution 1280 x 800, LED lifetime 50K hours, 400cd/m ² brightness		
Serial Ports	HAT footprint with 40-pin GPIO connector Up to 5 × UART Up to 5 × I2C Up to 5 × SPI 1 × SDIO interface 1 × DPI (parallel RGB display) 1 × I2S Up to 4 × PWM channels Up to 3 × GPCLK outputs		

Information subject to change. Please visit www.edge.seco.com to find the latest version of this datasheet

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BLOCK DIAGRAM

To be defined

Streamline and expedite your edge computing implementations

Clea 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.

Clea Astarte

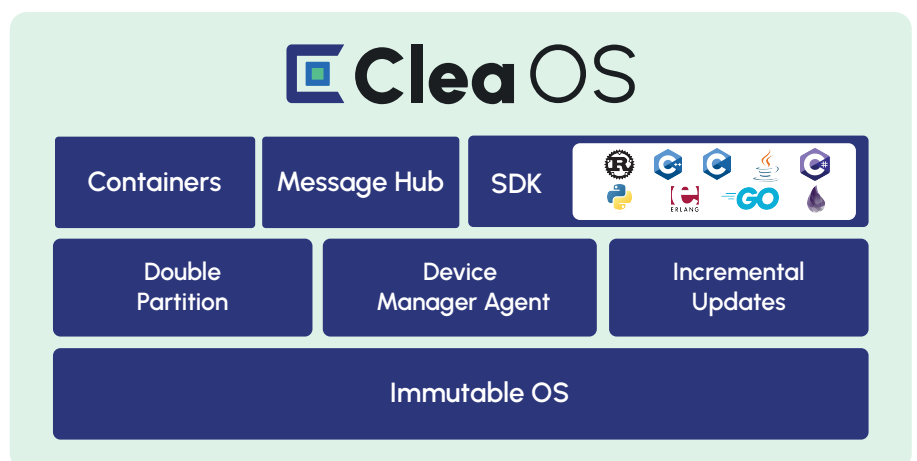
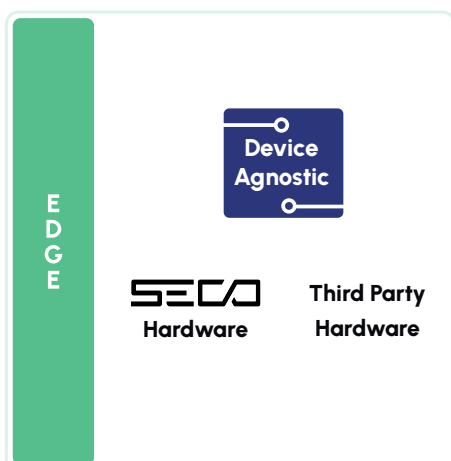
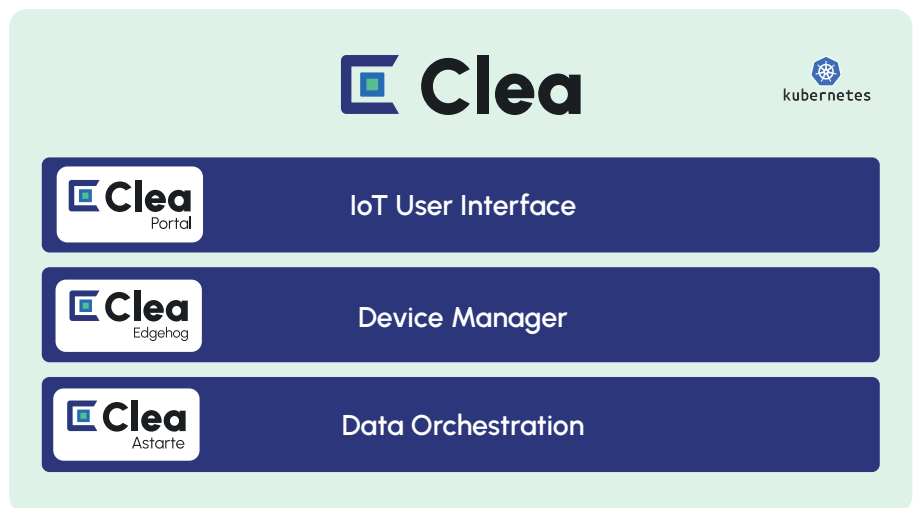
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Clea Edgehog

Update, configure, and manage remote devices. Optimize time and costs to maximize operational efficiency and security without the need for costly field interventions.

Clea 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.



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Clea OS



Clea DOCS

