



Modular Vision 15.6 QCS6490

High end 15.6 inch HMI based on Qualcomm® Dragonwing QCS6490

Flexibility and expandability in a unique modular HMI concept



HIGHLIGHTS



CPU
Qualcomm® Dragonwing QCS6490



CONNECTIVITY
Gb Ethernet, RS485, CAN, RS232, USB, Digital I/O



GRAPHICS
Adreno GPU 643 with support for OpenGL ES 3.2, OpenCL 2.0, Vulkan 1.x, DX FL 12



MEMORY
up to 6 GB LPDDR4-4000 soldered-down memory

Qualcomm

Clea OS

MAIN FIELDS OF APPLICATION



Coffee & Vending



Medical



Industrial Automation



Smart Buildings & Smart Cities



Digital Signage

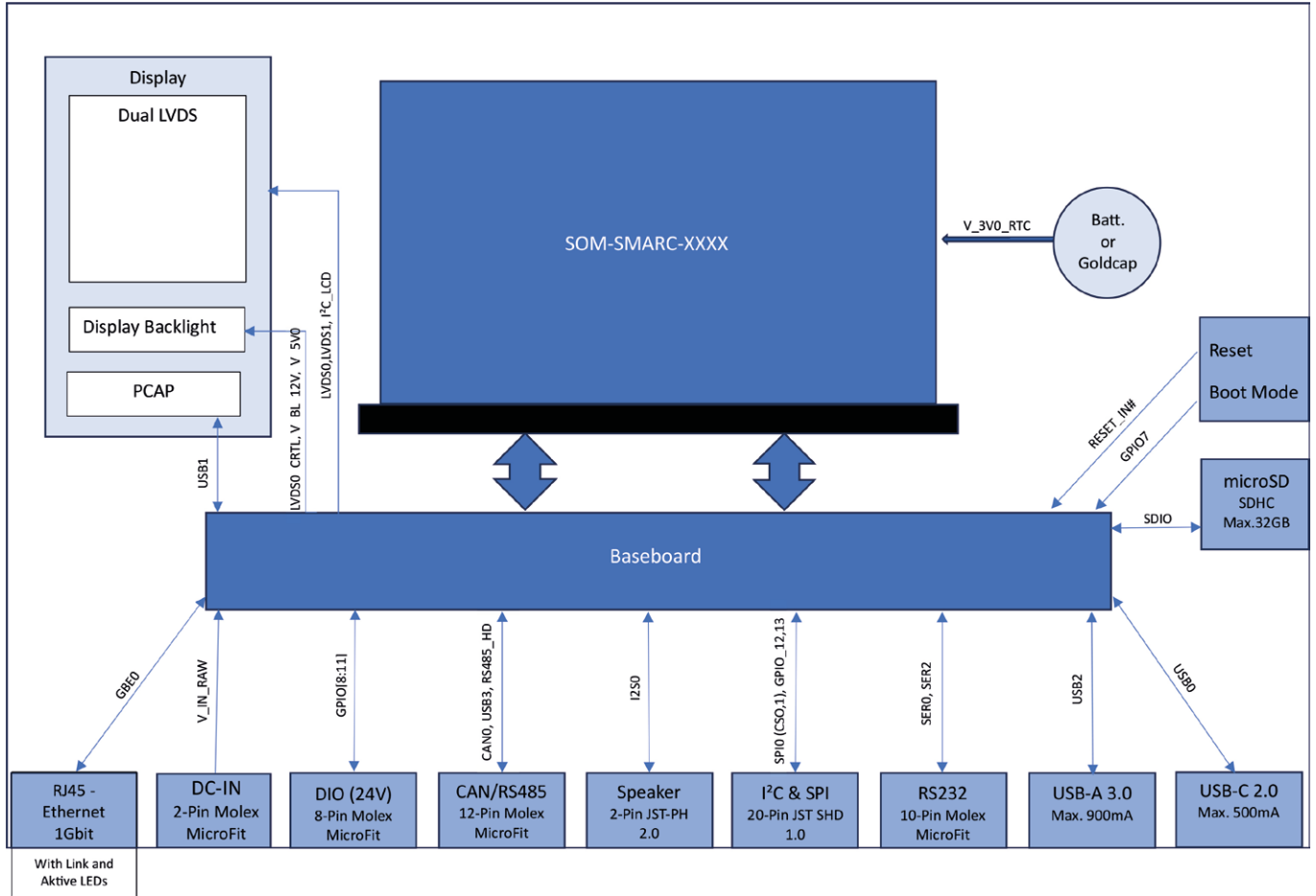
FEATURES

Processor	1x Arm® Cortex®-A78 @2.7 GHz, 3x Arm® Cortex®-A78 @2.4 GHz, and 4x Arm® Cortex®-A55 @1.8 GHz	Other Interfaces	1x I²C, SPI, 2x Digital In, 2x Digital Out 1x speaker out
Memory	Soldered-down LPDDR5-6400 memory, up to 8 GB total, 32-bit interface 2 channels	Power Supply	9 V _{DC} ÷ 32 V _{DC}
Graphics	Qualcomm® Adreno™ 643L	Operating System	Clea OS
Video Resolution	15.6" display, resolution 1920 x 1080, LED lifetime 30K hours, 400cd/m² brightness P-Cap (Projected Capacitive touch screen), with 3.0mm chemically strengthened cover glass	CAN Bus	1x CAN-FD
Mass Storage	eMMC 5.1 drive soldered on-board, up to 64GB (boot device) SD 4-bit interface (boot device) µSD Card Holder	Operating Temperature*	0 ÷ 60 °C
Networking	1x Gigabit Ethernet interfaces	Dimensions	407.5 x 259.5 x 52.4 mm
USB	1x USB C 2.0 Dual Role 1x USB 2.0 Type A	*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	2x RS-232, 1x RS-485		

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BLOCK DIAGRAM



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

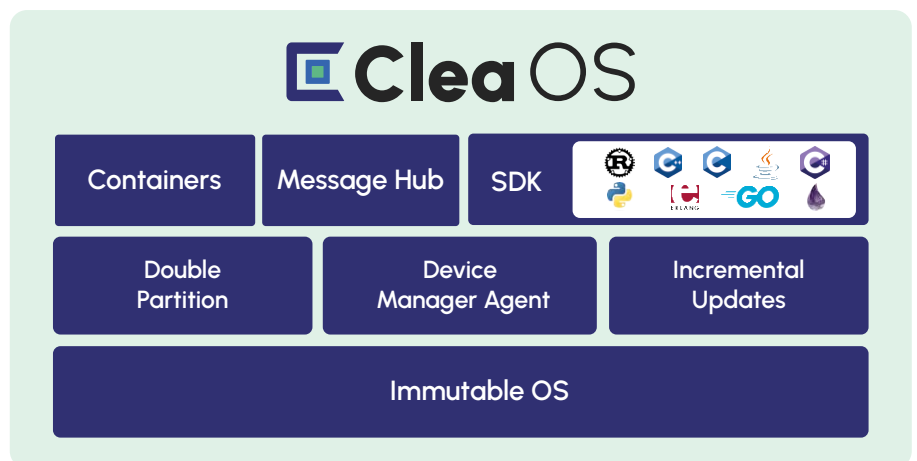
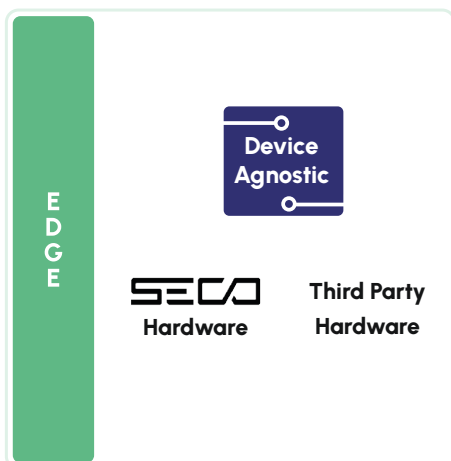
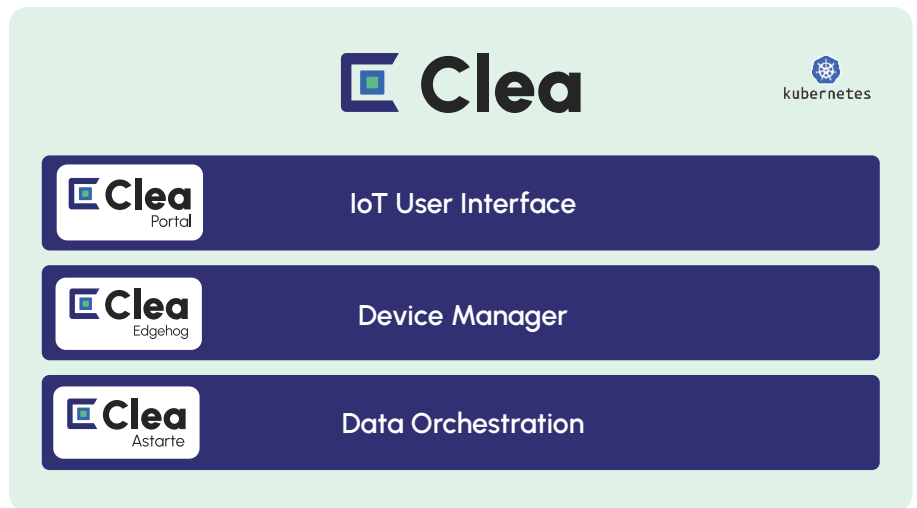
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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.



Scan to know more about our solution

Clea OS



Clea DOCS

