



Modular Vision 10.1 Genio700

10.1-inch HMI based on MediaTek Genio 700

Flexibility and expandability in a unique modular HMI concept



HIGHLIGHTS



CPU
MediaTek Genio 700



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



GRAPHICS
Mali-G57 MC3 GPU



MEMORY
Up to 8 GB LPDDR4x soldered down memory

MEDIATEK

Clea
OS

MAIN FIELDS OF APPLICATION



Coffee &
Vending



Medical



Industrial
Automation



Smart Buildings &
Smart Cities

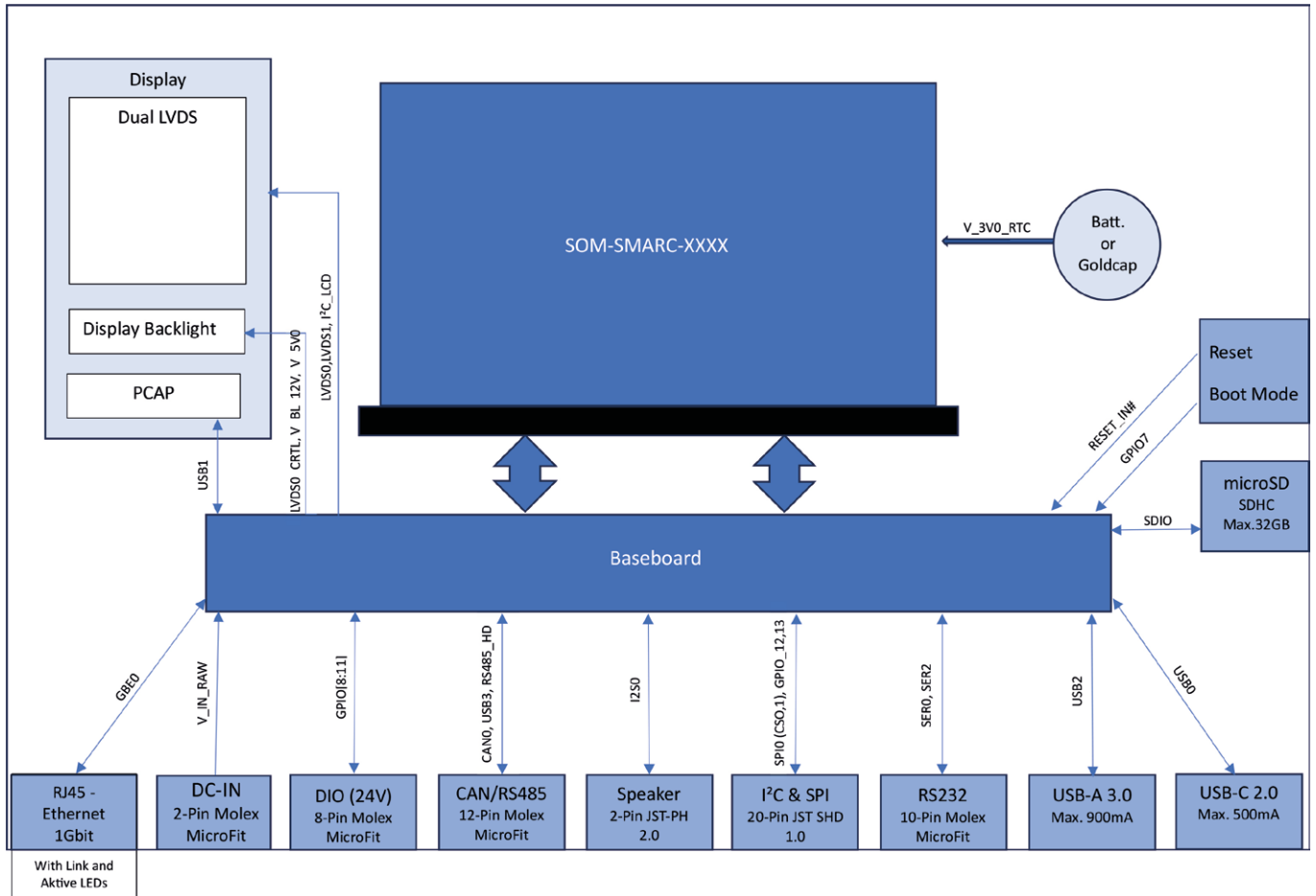


Digital
Signage

FEATURES

Processor	MediaTek Genio700: 2x Arm® Cortex®-A78 @2.2 GHz + 6x Arm® Cortex®-A55 @2.0 GHz	Operating System	Clea OS
Memory	LPDDR4x up to 8 GB	Dimensions	270 x 187 x 52 mm
Mass Storage	eMMC up to 64 GB Optional Micro SD card socket	Security	TPM - Trusted Platform Module Secure Boot available
Networking	1x Gb Ethernet	CAN Bus	1x CAN
USB	1x USB 3.0 1x USB 2.0, with OTG functionality	Operating Temperature*	0 ÷ 60 °C
Graphics	Mali-G57 MC3 GPU	Norms & Standards	EN 55032 + EN 55035 inf tech EMC standards FCC 47 CFR Part 15 Subpart B (unintentional radiators) The board must be compliant to RoHS Directive 2011/65/EU The board must be compliant to REACH UL listed component EN 62368-1
Video Interfaces	Single/Dual channel LVDS interface Optional eDP interface		
Video Resolution	10.1" display, resolution 1280 x 800 pixel, 30K hours backlight lifetime, 400cd/m² brightness		
Audio	Speaker output, mono, up to 3 Watt RMS		
Serial Ports	2x RS232, 1x RS485 Optional MDB		
Other Interfaces	I²C, SPI, GPIO expansion on 20-pin JST SHD 1.0 2x digital I/O		
Power Supply	9 – 32 V _{DC}		

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

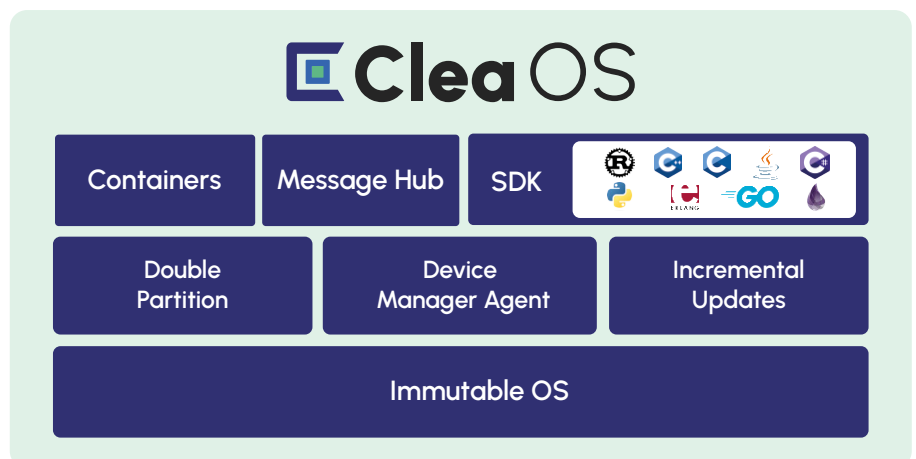
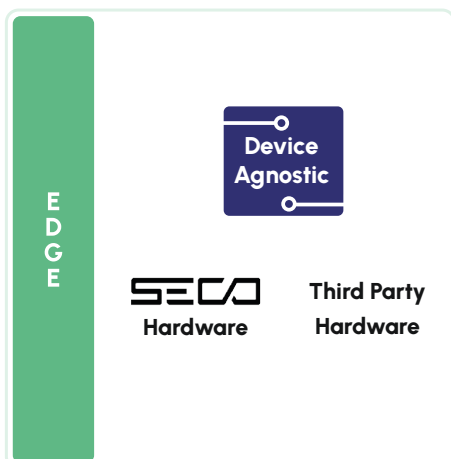
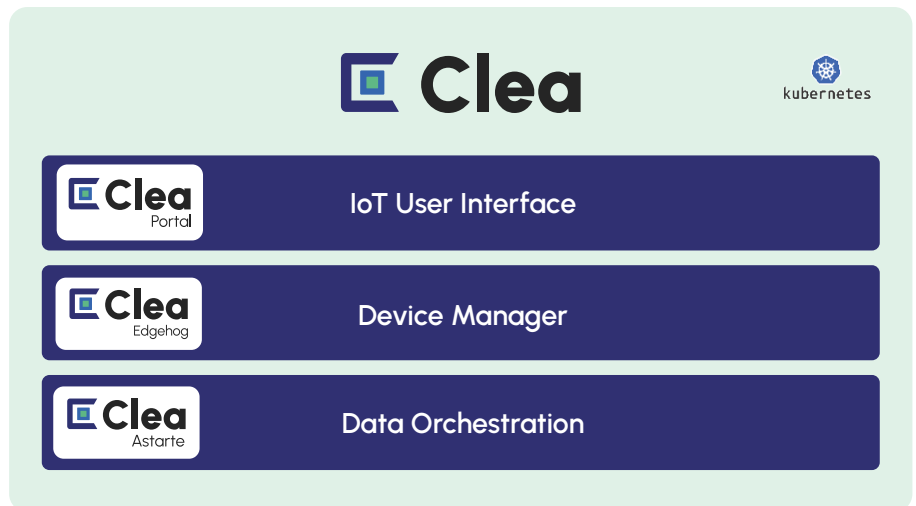
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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

