



Titan 235 APL

Fanless embedded computer with Intel® Atom® X Series (Codename: Apollo Lake) Processors

Fanless, compact and versatile embedded box PC



HIGHLIGHTS



CPU
Intel® Atom® X Series



CONNECTIVITY
2x GbE, WWAN and WLAN M.2 module slots



GRAPHICS
Integrated Intel® HD Graphics 505 or 500 series controller



MEMORY
Up to 8GB LPDDR4 memory

Available in Industrial Temperature Range



MAIN FIELDS OF APPLICATION



Industrial
Automation



Digital Signage

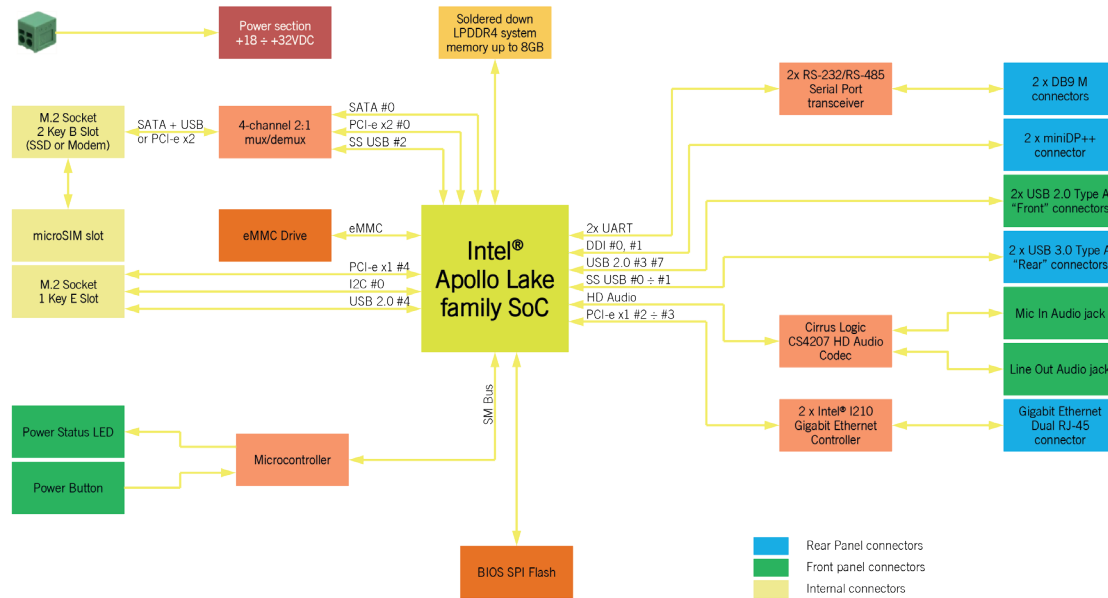
FEATURES

Processor	Intel® Atom® x7-E3950 Quad Core @1.6 GHz (Burst 2.0GHz), 2MB L2 Cache, 12W TDP Intel® Atom® x5-E3940 Quad Core @1.6 GHz (Burst 1.8GHz), 2MB L2 Cache, 9.5W TDP Intel® Atom® x5-E3930 Dual Core @1.3 GHz (Burst 1.8GHz), 2MB L2 Cache, 6.5W TDP	Other Interfaces	Power Button Power On Status LED
Memory	Quad Channel soldered down LPDDR4 memory, up to 8GB	Power Supply	PCB terminal block, type Phoenix 1990973 +18V _{DC} ÷ +32 V _{DC} recommended +15V _{DC} ÷ +36 V _{DC} absolute
Graphics	Integrated Intel® HD Graphics 505 or 500 series controller, with up to 18 Execution Units 4K HW decoding and encoding of HEVC(H.265), H.264, VP8, SVC, MVC Dual independent display	Operating System	Preinstalled OS (factory options): · Microsoft Windows 10 IoT entry · Linux 64-bit Available on request: · Wind River Linux (64-bit) · Yocto (64-bit) · Android (planning)
Video Interfaces	Two multimode Display Port on miniDP++ connectors	Operating Temperature	With internal SSD, 0°C ÷ +60°C (in presence of air flow)* Without internal SSD, -40°C ÷ +60°C (in presence of air flow)**
Video Resolution	Up to 4096 x 2160	Optional accessories	miniDP++ to HDMI® adapter Customised bracket for wall mount
Mass Storage	Optional eMMC drive onboard Optional SATA M.2 SSD module up to 512GB	Dimensions	162.3 x 109.3 x 52.4 mm
Networking	2 x Gigabit Ethernet ports M.2 Socket 2 Key B Slot for Modem modules (alternative to M.2 SSD), connected to internal microSIM Slot M.2 Socket 1 Key E Slot for WiFi/BT modules	* Environment temperature measured near the heatsink 's fins. Upon costumer to verify that the temperature remains within the admissible range. ** Temperature range below 0°C tested on the SBC only.	
USB	2 x USB 3.0 Type-A sockets on Front Panel 2 x USB 2.0 Type-A sockets on Rear Panel		
Serial Ports	2x RS-232/RS-422/RS-485 ports, software configurable, DB9 male connectors		
Audio	Internal HD Audio codec Cirrus Logic CS4207 Mic In and Line Out Audio jacks		

Titan 235 APL

Fanless embedded computer with Intel® Atom® X Series (Codename: Apollo Lake) Processors

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

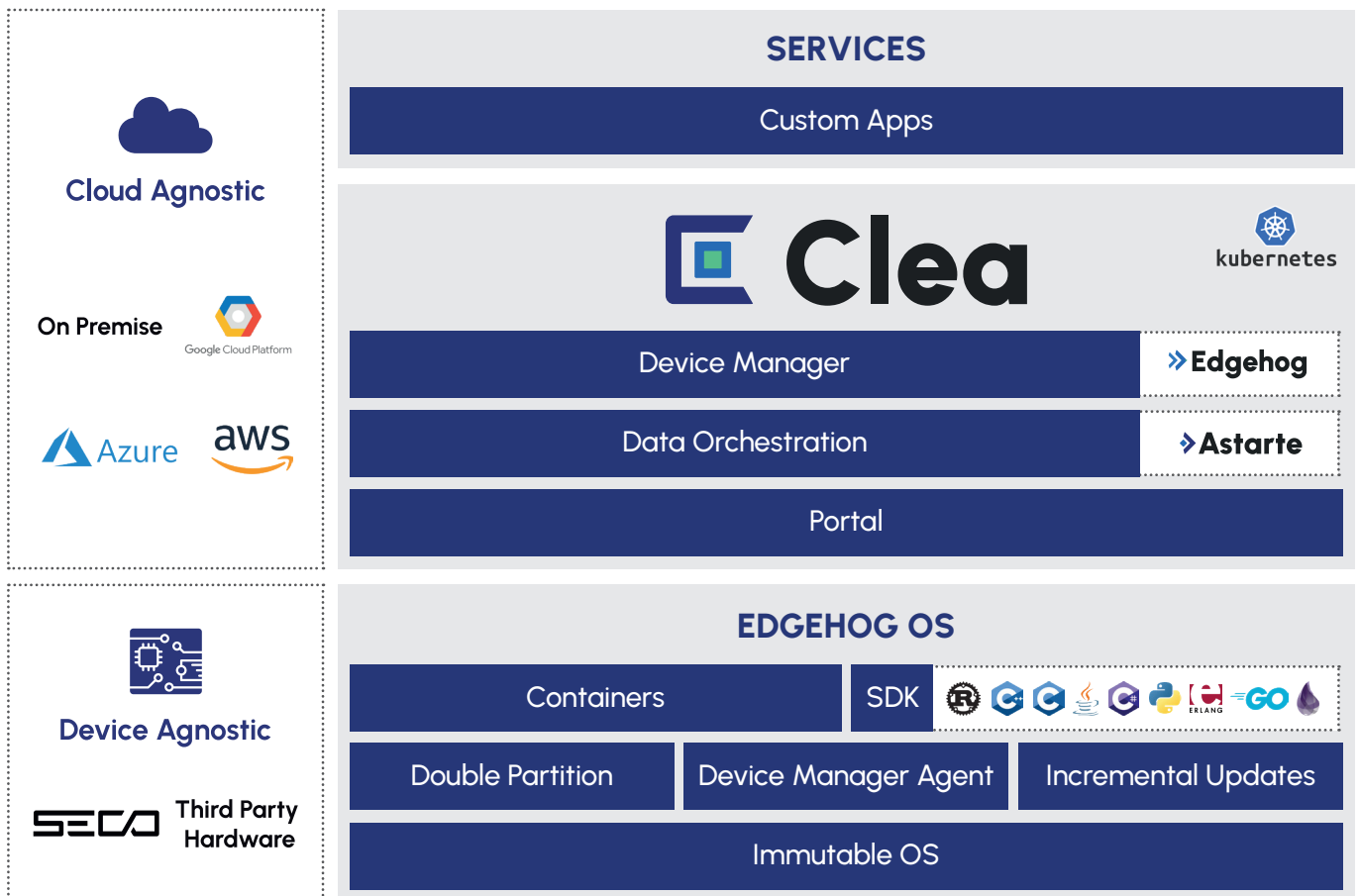
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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

