FANLESS EMBEDDED COMPUTERS

Titan 230 APL

Fanless embedded computer with Intel® Celeron® J / N Series and Intel® Pentium® N Series (Codename: Apollo Lake) Processors

Smart Edge Compute Unit, a multi-connectivity and multi-protocol plug & play Industrial IoT gateway

HIGHLIGHTS

CPU
Intel® Celeron® J / N Series and Intel® Pentium® N 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

Windows IoT · Linux · yocto PROJECT

MAIN FIELDS OF APPLICATION

Energy & Utilities

FEATURES

Processor	**Intel® Pentium® N4200** Quad Core @1.1GHz (burst 2.5GHz), 2MB L2 Cache, 6W TDP **Intel® Celeron® N3350** Dual Core @1.1GHz (burst 2.4GHz), 2MB L2 Cache, 6W TDP **Intel® Celeron® J3455**, Quad Core @1.5GHz (Burst 2.3GHz), 2MB L2Cache, 10W TDP **Intel® Celeron® J3355**, Dual Core @2.0GHz (Burst 2.5GHz), 2MB L2Cache, 10W TDP
Memory	Quad Channel soldered down LPDDR4 memory, up to 8GB
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
Video Interfaces	Two multimode Display Port on miniDP++ connectors
Video Resolution	Up to 4096 x 2160
Mass Storage	Optional eMMC drive onboard Optional SATA M.2 SSD module up to 512GB
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
USB	2 x USB 3.0 Type-A sockets on Front Panel 2 x USB 2.0 Type-A sockets on Rear Panel
Audio	Internal HD Audio codec Cirrus Logic CS4207 Mic In and Line Out Audio jacks

Other Interfaces	Power Button Power On Status LED
Power Supply	DC Power jack, with cable restraint, type DC-062-4-2.5-S214 +18V_{DC} ÷ +32 V_{DC} recommended +15V_{DC} ÷ +36 V_{DC} absolute Min power required, 40W
Operating System	Preinstalled OS (factory options): · Microsoft Windows 10 IoT Enterprise · Linux Ubuntu Available on request: · Yocto (64-bit)
Operating Temperature*	0°C ÷ +60°C (in presence of air flow)
Optional accessories	miniDP++ to HDMI® adapter Customised bracket for wall mount
Dimensions	162.3 x 109.3 x 42.4 mm

*Environment temperature measured near the heatsink 's fins. Upon costumer to verify that the temperature remains within the ammissible range.

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

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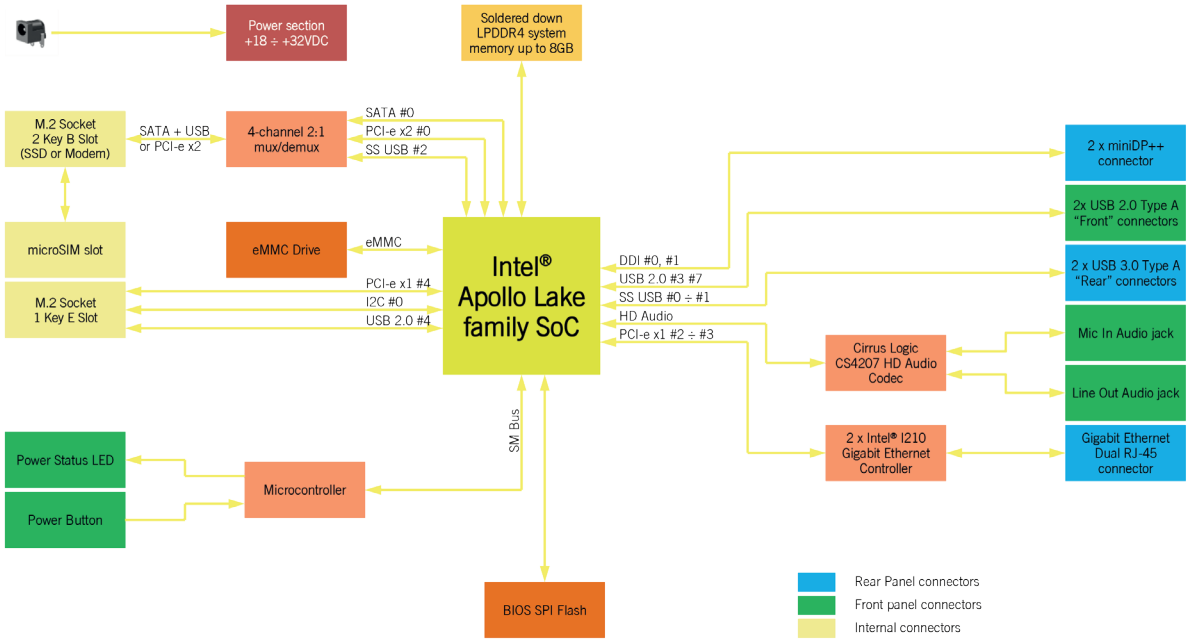
BLOCK DIAGRAM



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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.

DEVICE MANAGER

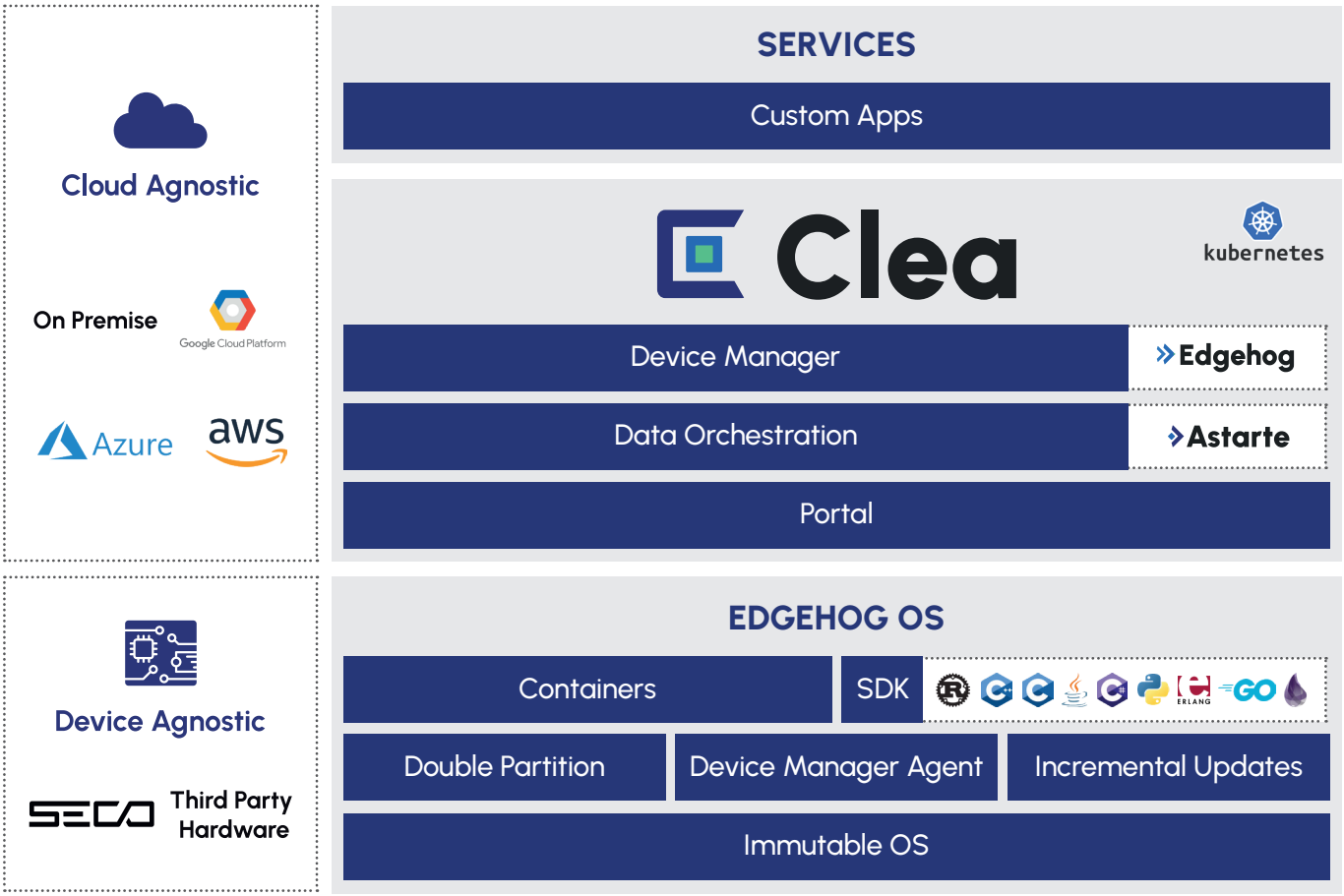
Update, configure, and manage remote devices. Optimize time and costs to maximize operational efficiency and security without the need for costly field interventions.

DATA ORCHESTRATION

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

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

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