

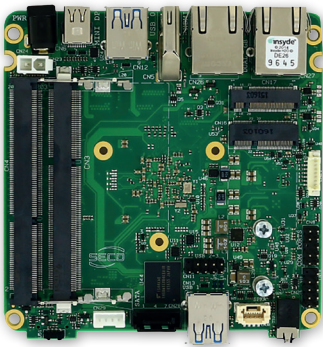


SBC-eNUC-BSW

embedded NUC™ SBC with N-series Intel® Pentium® / Celeron® and x5-Series Atom® SOCs



Multifunctional SBC on the eNUC form factor

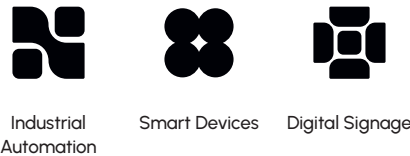


HIGHLIGHTS

CPU N-series Intel® Pentium® and Celeron® SOCs	CONNECTIVITY 2x GbE; CIR sensor; 8x GPI/Os
GRAPHICS Integrated Graphics, three independent display support	MEMORY 2 x DDR3L SO-DIMM Slots with Dual Channel Support, up to 8GB DDR3L-1600



MAIN FIELDS OF APPLICATION



FEATURES

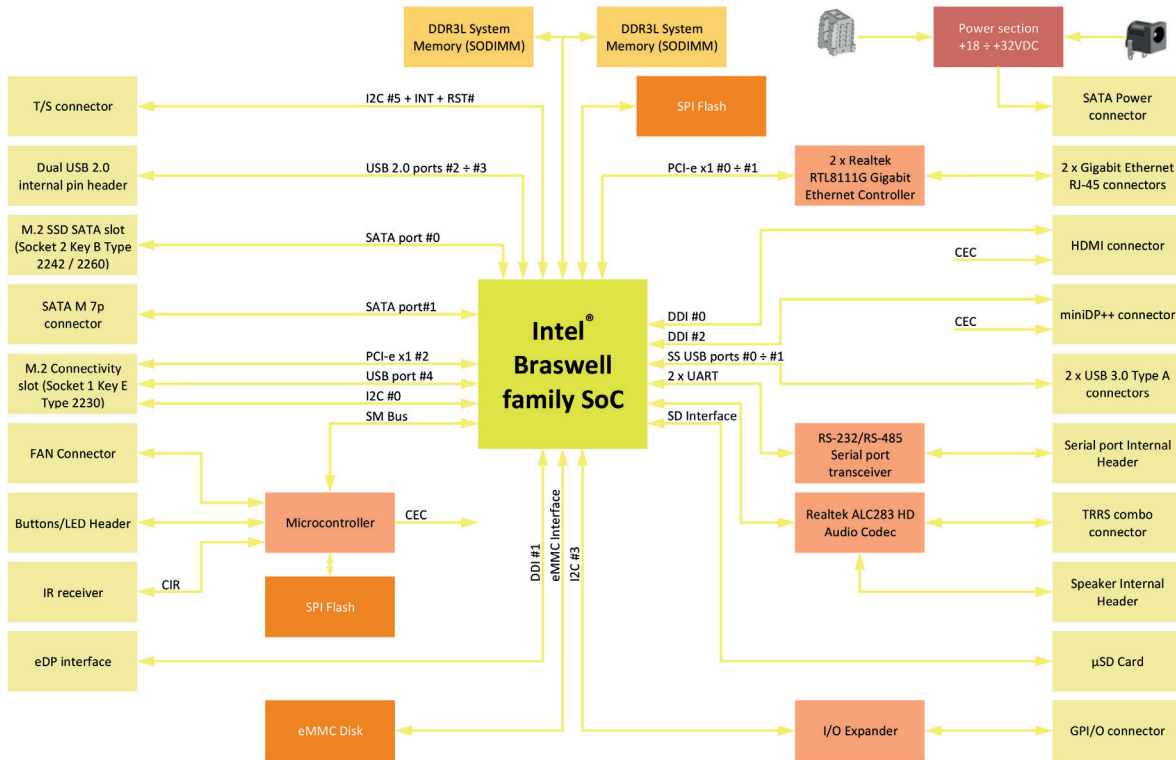
Processor	Intel® Pentium® N3710 , Quad Core @ 1.6GHz (Turbo Boost 2.56GHz), 2MB Cache, 6W TDP Intel® Celeron® N3160 , Quad Core @ 1.6GHz (Turbo Boost 2.24GHz), 2MB Cache, 6W TDP Intel® Celeron® N3060 , Dual Core @ 1.6GHz (Turbo Boost 2.48GHz), 2MB Cache, 6W TDP Intel® Celeron® N3010 , Dual Core @ 1.04GHz (Turbo Boost 2.24GHz), 2MB Cache, 4W TDP Intel® Atom® x5-E8000 , Quad Core @ 1.04GHz (Turbo Boost 2.00GHz), 2MB Cache, 5W TDP	USB 2 x USB 3.0 Host ports on Type-A sockets 2 x USB 2.0 Host ports on internal pin header 1 x USB 2.0 Host port on M.2 Connectivity Slot
Max Cores	4	PCI-e 1 x PCI-e x1 port on M.2 Connectivity Slot
Max Thread	4	Audio Audio available on HDMI® and miniDP++ interfaces HD Audio codec Combo TRRS connector with LineOut and MicIn support
Memory	2 x DDR3L SO-DIMM Slots with Dual Channel Support, up to 8GB DDR3L-1600	Serial Ports 2 x RS-232 / RS-422 / RS-485 UARTS, on internal Pin Header
Graphics	Integrated Graphics Three independent display support HW decoding of HEVC(H.265), H.264, MPEG2, MVC, VC-1, VP8, WMV9, JPEG/MJPEG formats HW encoding of H.264, MVC and JPEG/MPEG formats	Other Interfaces I2C Touch Panel connector Front Panel Pin Header CIR (Consumer InfraRed) sensor 8 x GPI/Os
Video Interfaces	HDMI® connector miniDP++ connector embedded Display Port (eDP) internal connector	Power Supply +18V _{DC} ÷ +32V _{DC} recommended +15V _{DC} ÷ +36V _{DC} absolute RTC Battery
Video Resolution	HDMI®, DP: up to 3840x2160 24bpp @30Hz, 2560x1600 24bpp @60Hz eDP: up to 2560x1440 24bpp @60Hz	Operating System Microsoft® Windows 7 (32 / 64 bit) Microsoft® Windows 8.1 (32 / 64 bit) Microsoft® Windows 10 (32 / 64 bit) Microsoft® Windows 10 IoT Linux Yocto
Mass Storage	Optional eMMC drive on-board M.2 SATA SSD slot (Socket 2 Key B Type 2242 or 2260) microSD Card slot SATA 7p M connector	Operating Temperature* 0°C ÷ +60 °C
Networking	2 x Gigabit Ethernet ports	Dimensions 101.6 x 101.6 mm (4" x 4")

*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.

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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

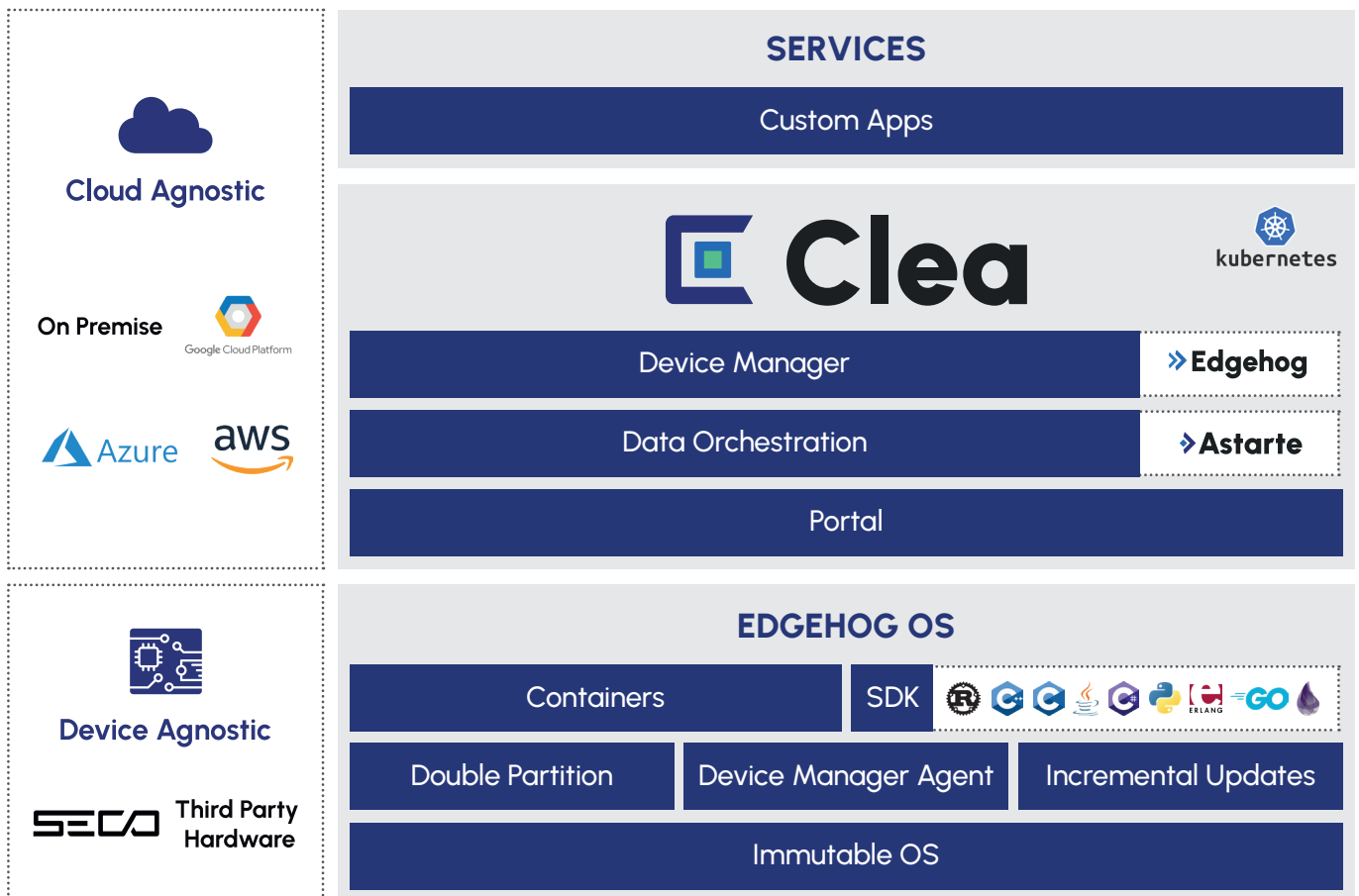
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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

