



SOM-Myon-I-410E

Micro CPU module with Snapdragon™ 410E

Thanks to the compact form factor ideal for IoT and battery-powered handheld devices



HIGHLIGHTS



CPU

Qualcomm® Snapdragon™ 410E Low Power Processor, 64bit, Cortex A53, QuadCore up to 1.2GHz



CONNECTIVITY

Onboard WLAN 802.11 b/g/n 2.4 GHz, BT 4.1, USB 2.0, LVDS, MIPI Display and Camera



GRAPHICS

OpenGL ES 3.0, OpenCL / DirectX 12 graphics acceleration support for Windows 10 IoT Core



MEMORY

EMCP incl. LPDDR3 -1066 (533MHz) up to 2 GByte and eMMC up to 16 Gbyte

Available in Industrial Temperature Range



MAIN FIELDS OF APPLICATION



Coffee & Vending



Medical



Transportation



Industrial Automation



Smart Devices



Smart Buildings & Smart Cities



Digital Signage



Energy & Utilities

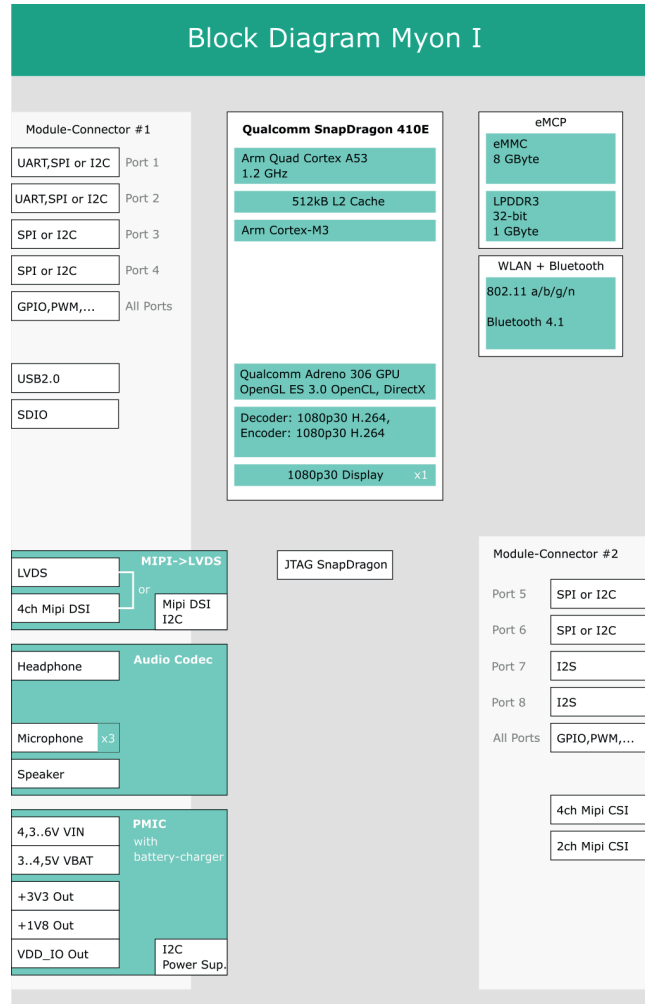
FEATURES

Processor	Qualcomm® Snapdragon™ 410E QuadCore ARM Cortex A53, up to 1.2GHz (APQ8016E), ARM Cortex M3	Other Interfaces	SD/SDIO Card, MIPI Camera (2ch and 4Ch) 8 Ports configurable for different interfaces: GPIO, UART, SPI, I2C, I2S
Memory	1 GByte LPDDR3 -1066 (533MHz), 32Bit, 2 Gbyte on request (part of EMCP)	Power Supply	LiPo 3 - 4.5V / typ. 3.3V / charger 5V
Graphics	Qualcomm® Adreno™ 306 400MHz GPU OpenGL ES 3.0, OpenCL, DirectX	Operating System	Windows 10 IoT Core Linux Android
Video Interfaces	LVDS or MIPI Display (4 channel)	Operating Temperature*	-25 ÷ 85°C
Video Resolution	LVDS, MIPI: 1080p @30	Dimensions	48 x 32 x 4.2 mm
Mass Storage	8 Gbyte eMMC, 16 Gbyte on request (part of EMCP)	*All carrier board components must remain within the operating temperature at any and all times, including start-up; carrier operating temperature is independent of the module installed. Please refer to the specific module for more details. Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider specific cooling solutions for the final system.	
Networking	Onboard WLAN 802.11 b/g/n 2.4 GHz, BT 4.1 (Onboard antennas or UFL connectors) Ethernet via USB possible		
USB	USB 2.0 OTG		
Audio	Audio Codec: Stereo Headphone output, Mono Speaker 8Ω, 3 Microphone inputs		

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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

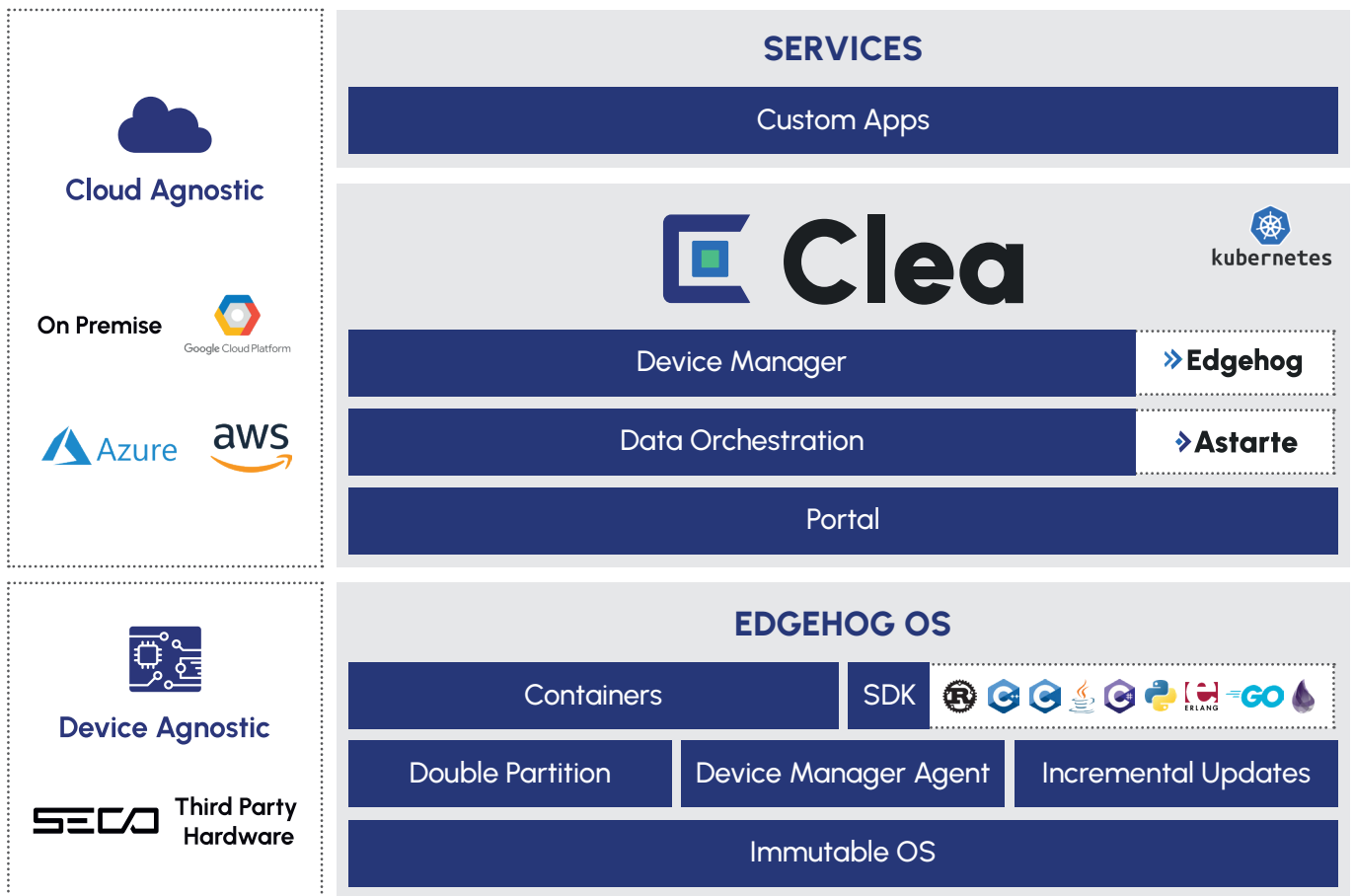
Integrate third-party services, simplify data flows and analysis, and enhance business efficiency by enabling easy and fast utilization of AI.

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.



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CLEA DOCS

