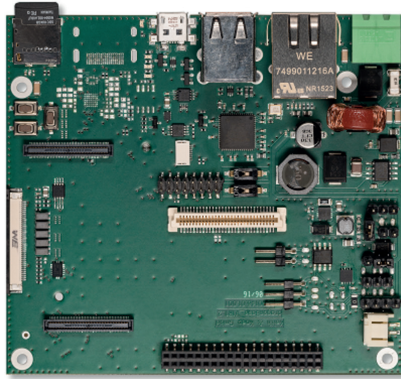




Carrier-Myon-ConXM

MicroModule Carrier Board for Myon SOMs

Carrier Board for Myon I, Myon II and Myon II Nano SOMs



HIGHLIGHTS

- Evaluation platform for IoT/handheld devices
- Supports LVDS, HDMI®, MIPI Display/Camera
- Peripherals: direct access via standard connectors e.g. Ethernet, USB
- Expansion connectors compatible with DragonBoard 410c



MAIN FIELDS OF APPLICATION



Coffee & Vending



Medical



Transportation



Industrial Automation



Smart Devices



Smart Buildings & Smart Cities



Digital Signage

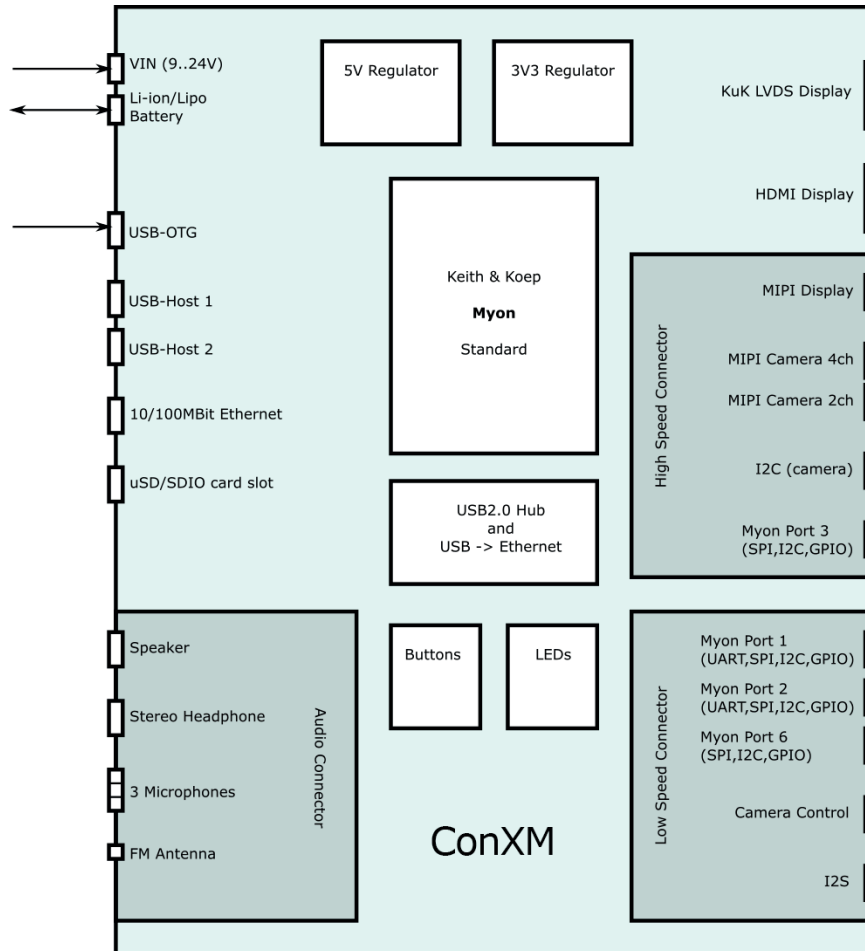


Energy & Utilities

FEATURES

Processor	<ul style="list-style-type: none"> Defined by compatible Myon SOMs Qualcomm® Snapdragon™ 410E Cortex A53, QuadCore up to 1.2GHz on Myon I SOM NXP i.MX 8M Mini Arm® Cortex A53 up to 1.8 GHz, up to Quad Core, integrated Arm® Cortex M4 on Myon II SOM NXP i.MX 8M Nano Arm® Cortex A53 up to 1.5 GHz, up to Quad Core, integrated Arm® Cortex M7 on Myon II Nano SOM 	<ul style="list-style-type: none"> Power Supply: Industrial +12 up to +24V supply, +5V (USB) / Lithium-ion, lithium-ion-polymer battery-charger / Coin-Cell charger (Myon I PMIC) Operating System: Microsoft Windows 10 IoT Core, Linux, Android Operating Temperature*: -20 ÷ 85°C Dimensions: 100.0 mm x 90.0 mm x 18.0 mm
Video Interfaces	LVDS, HDMI®	<p>*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.</p>
Mass Storage	µSD Card Socket	
Networking	10/100 Mbit Ethernet RJ45 Connector WLAN 802.11 b/g/n 2.4GHz, BT via Myon I	
USB	USB2.0 Host, USB2.0 OTG	
Audio	Footprint for one optional 16-pin analog expansion connector for stereo headset/line-out, speaker and analog line-in	
Serial Ports	UART (low speed expansion connector)	
Other Interfaces	1x 40-pin low speed expansion connector (compatible to DragonBoard 410c): SPI, I2S, 2x I2C, 12x GPIO, DC power 1x 60-pin high speed expansion connector (compatible to DragonBoard 410c): 4L MIPI-DSI, USB, 2x I2C, 2L+4L MIPI-CSI	

BLOCK DIAGRAM



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DATA ORCHESTRATION

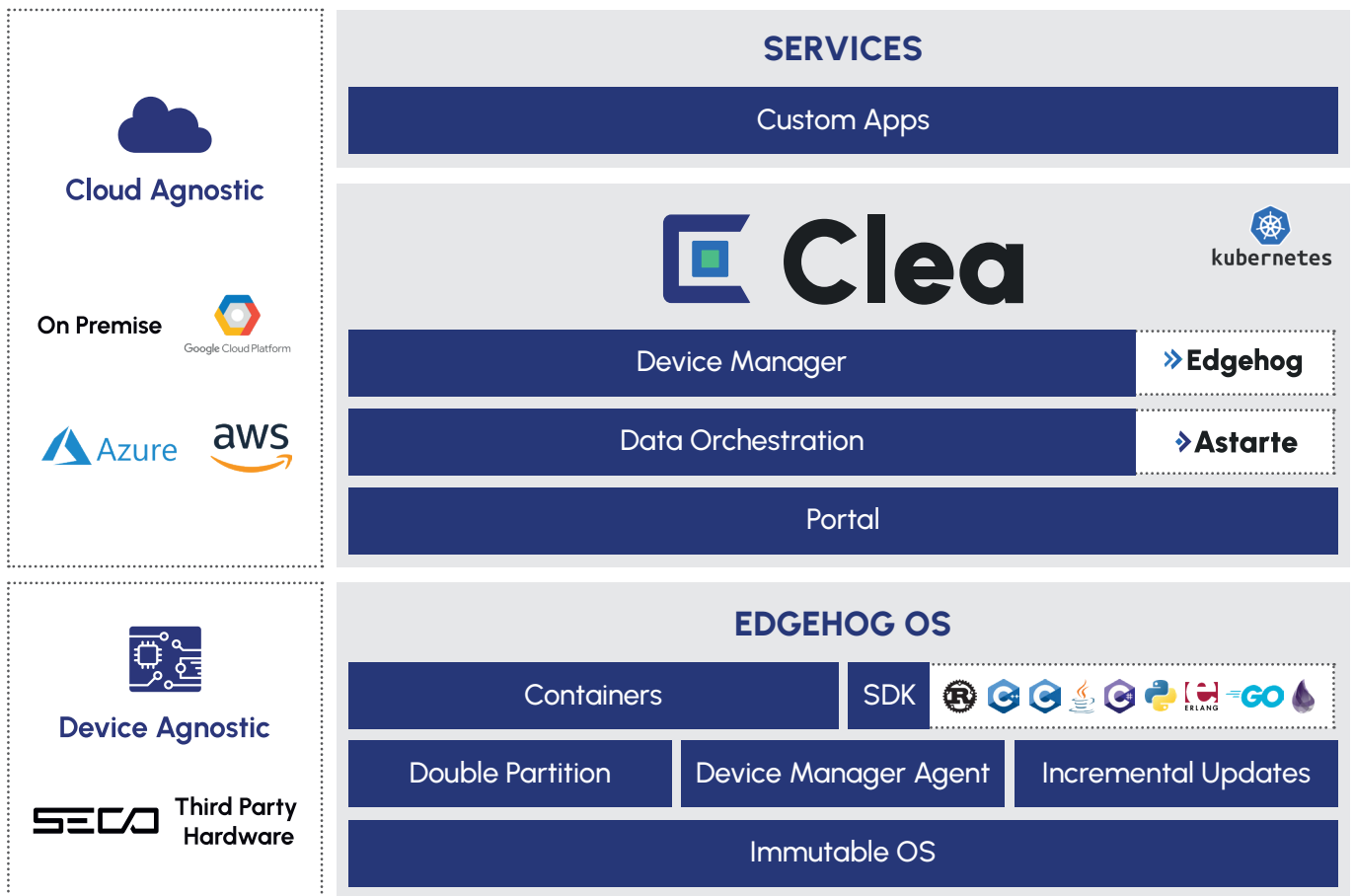
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PORTAL

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