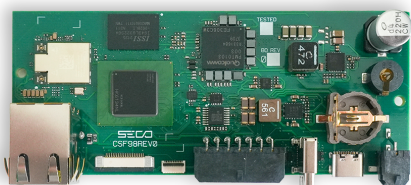




SBC-Dragonwing-IQ-2390

Compact SBC based on Qualcomm Dragonwing™ IQ-2390 Processors

Flexible industrial SBC combining compact integration, rich connectivity and on-device intelligence



HIGHLIGHTS



CPU

Qualcomm Dragonwing™ IQ-2390 Processors



CONNECTIVITY

RS232; RS485; CAN; USB-C; GbE; Wi-Fi/BT



GRAPHICS

MIPI-DSI interface



MEMORY

Up to 4 GB RAM; up to 32 GB eMMC

Powered by



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MAIN FIELDS OF APPLICATION



Coffee
& Vending



Medical



Digital
Signage



Industrial
Automation

FEATURES

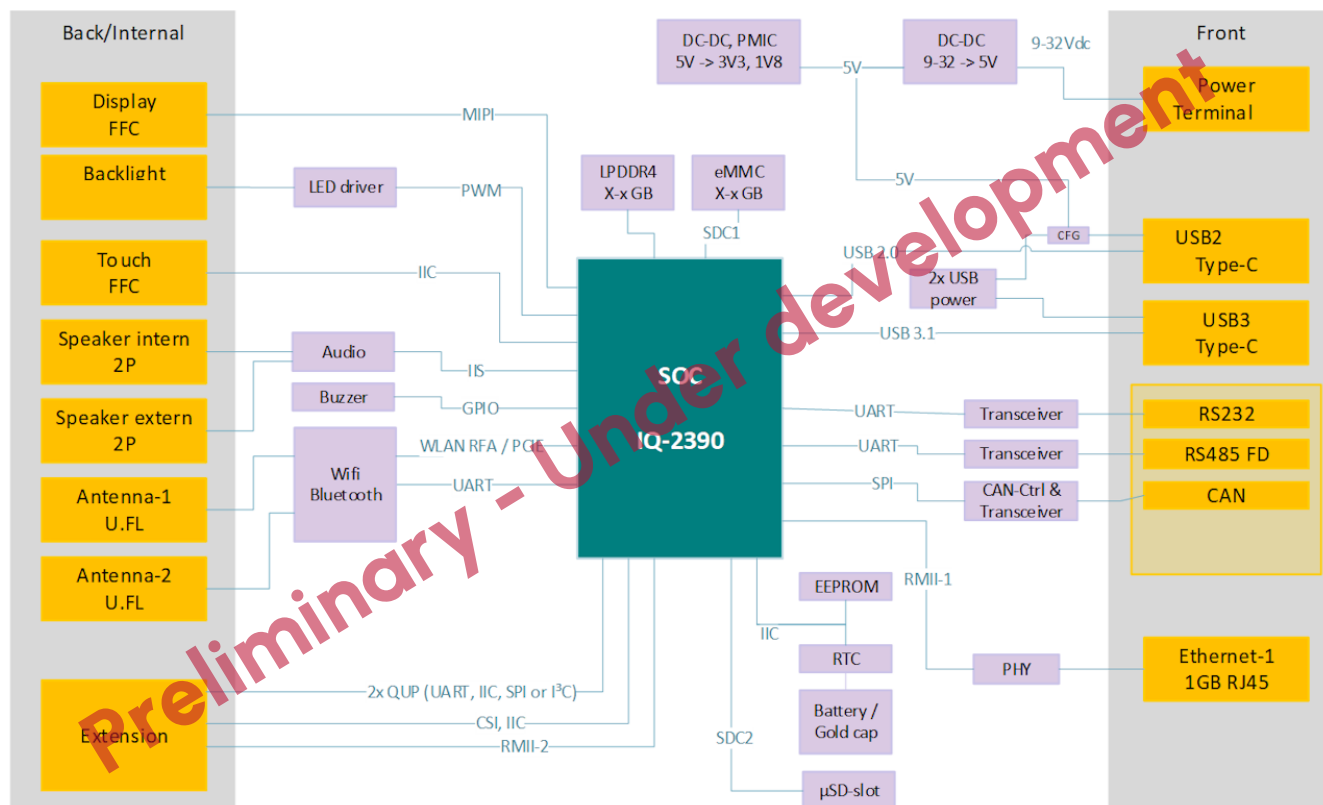
Processor	Qualcomm Dragonwing™ IQ-2390 Processors: 1x Arm Cortex-A78 @1.9GHz + 3x Arm Cortex-A55 @1.8GHz 1.1 TOPS NPU	Serial Ports	RS232 1x CAN
Memory	Up to 4 GB RAM	Other Interfaces	Extension port for camera, audio, SPI and UART
Video Interfaces	MIPI-DSI interface	Norms & Standards	CE, FCC, UL (planned)
Graphics	3D GPU (MH3.0 10.9) 73.6 GFLOPs (FP16)	Power Supply	9 to 32 VDC input range; optional via USB-C
Mass Storage	Up to 32 GB eMMC Micro SD slot	Operating System	Clea OS
Networking	1x GbE BT	Operating Temperature*	Commercial Temperature Range : 0° ÷ +60°C Industrial Temperature Range (planned) : -25° ÷ +70°C
USB	1x USB-C 3.2 1x USB-C 2.0	Dimensions	47 x 114 mm
Audio	Buzzer on board Mono audio out	*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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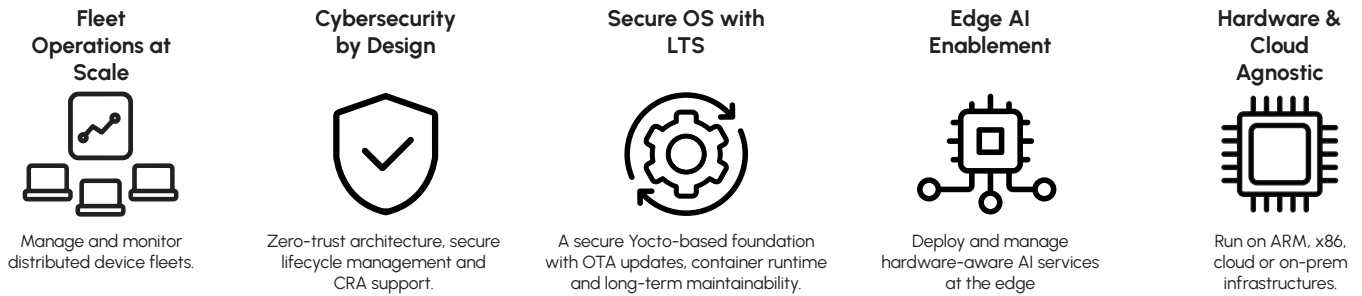
BLOCK DIAGRAM

Preliminary Blockdiagram - Under development



Build, Deploy and Maintain Secure Edge Products at Scale.

The secure framework for industrial edge devices, combining fleet operations, cybersecurity, data orchestration and Edge AI enablement.



From Development to Operations

Clea supports the entire product lifecycle, from embedded software development and deployment to fleet operations, maintenance and continuous updates.

