

AIEdge-X[®] Series

AIEdge-X[®] powered by Coral Intelligence



AIEdge-X[®]537



AIEdge-X[®]100

Main Features

- Compact and slim design
- Enabled with Coral Intelligence
- Low watts requirements with high AI processing capability
- Supports Linux and Python
- Support Intel[®] Core™ i and Celeron[®] CPU up to 35W
- Fanless design for industrial use
- High performance, better privacy, local data, work offline and power efficient

Product Overview

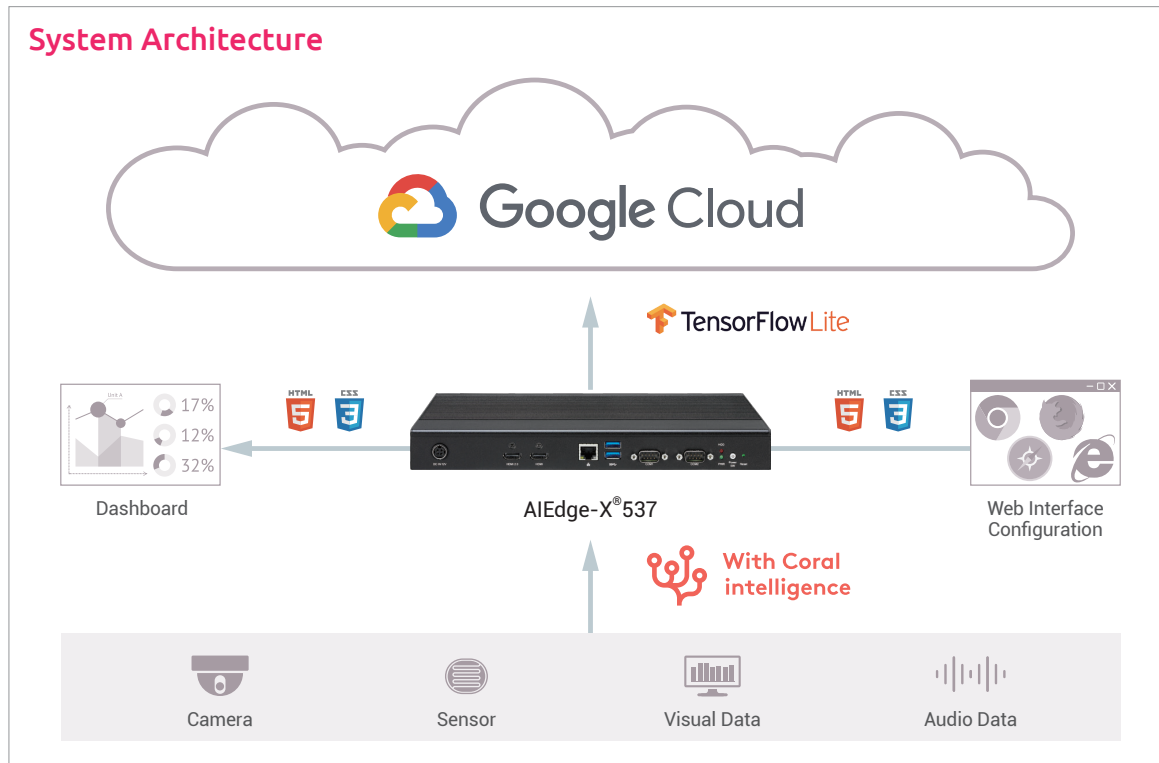
NEXCOM AIEdge-X[®] series is designed to acquire data from device in the field side, and analyze and respond in a timely matter while all on the "Edge". The PC equipped with Coral Intelligence could also be trained and operate ML/DL without connecting to the cloud or internet, however it also is able to tap the Google Cloud IoT Edge software stack for data management and processing.

These compact fan-less embedded player can handle powerful multimedia content. In addition, the product line manages in-store traffic analytics, simultaneously engaging "calls to action" with virtual interactions in order to increase product interest and dwell time. It is suitable for Public Services and Kiosks, Education Aids, Warehousing management and Proactive maintenance.

Specifications

Model	AIEdge-X [®] 100	AIEdge-X [®] 537	
CPU	Intel [®] Apollo Lake N4200 processor (2.50GHz,6W)	7th Gen Intel [®] Core™ socket type Processor up to 35W	
Chipset	Intel [®] HD Graphics 505	Intel [®] PCH Q170	
Memory	1 x 204-pin SO-DIMM socket, support up to DDR3L 1866MHz, non-ECC, un-buffered memory up to 8GB	2 x 260-pin SO-DIMM sockets, supports DDR4 1866/2133 MHz, non-ECC, un-buffered memory up to 32G (single socket max. 16GB)	
Storage	1 x M.2 M key 2242 SSD	1 x SATA 2.5" HDD/ SSD	
Display	2 x HDMI 2.0, resolution 4096 x 2160 60Hz	1 x HDMI 2.0	
		1 x HDMI 1.4	
I/O	I/O Interface-Front - 1 x COM port (RS232/RS422/RS48) - 1 x DC-in Jack with lock - 2 x USB 3.0	1 x DisplayPort	
		I/O Interface-rear - 2 x USB 3.0 - 3 x Antenna hole - 1 x MIC-in - 1 x Line-out	
	Expansion	1 x mini-PCIe full-size connector, support Wi-Fi	1 x mini-PCIe slot (full size)
		1 x Internal USB connector	
1 x LVDS Dual channel connector		1 x NGFF (M.2) 2230 for optional WLAN	
1 x LCD backlight power in connector			
SIM Card Holder	1	1	
LAN Ports	2 x RJ45 with LEDs for Gigabit LAN	2 x RJ45 with LEDs for Gigabit LAN	
Power Input Range	Input: 100VAC to 240VAC	Input: 100VAC to 240VAC	
Operating System	Win10 64-bit	Win10/Linux	
System Dimension (LxWxH)(mm)	152 x 108 x 375	295 x 189. x 33	
Certification	CE (EMC EN55032 +EN55024)	CE Approval	
	FCC Class A (EMI part 15B)	FCC Class B	

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AIEdge-X[®] Features



Web Configuration

- IoT Studio
 - Rapid prototyping/engineering tool
 - With IoT-Studio, user can easy to configure
- Remote Access
 - Access and management NISE50-GCP anywhere via browser
 - Support popular browser based on HTML5 & CSS3



Dashboard Support

- Dashboard
 - Quickly create a dynamic data dashboard
 - Provide variety of widgets for user to directly use via simple configuration



Cloud Connectivity Available

- Google Cloud IoT Core and Cloud IoT Edge
 - Service of reliable and secure bidirectional communications between IoT devices and cloud
- Coral From Google Edge TPU processor for AI applications
 - Through PCIe accelerator



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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