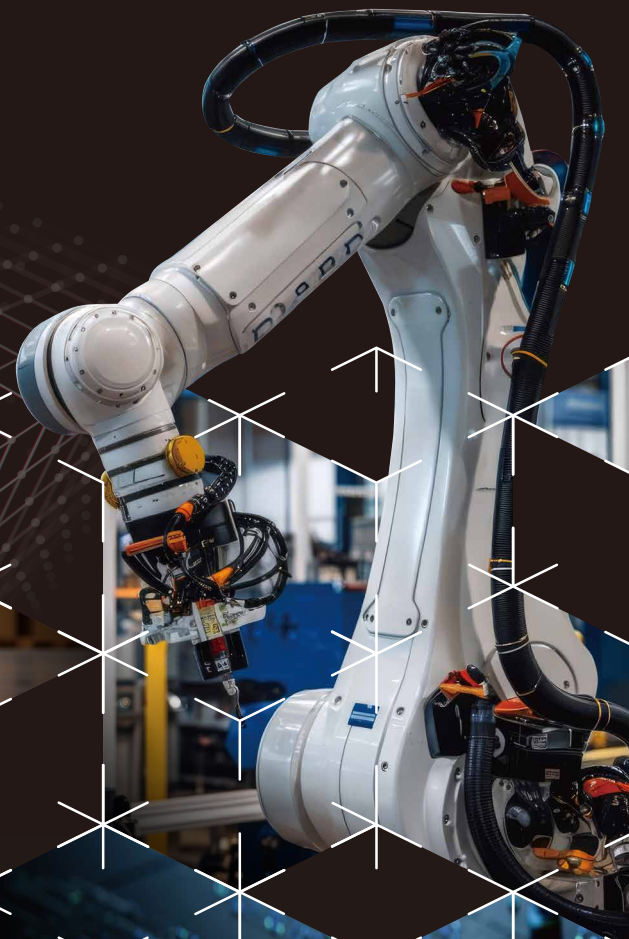
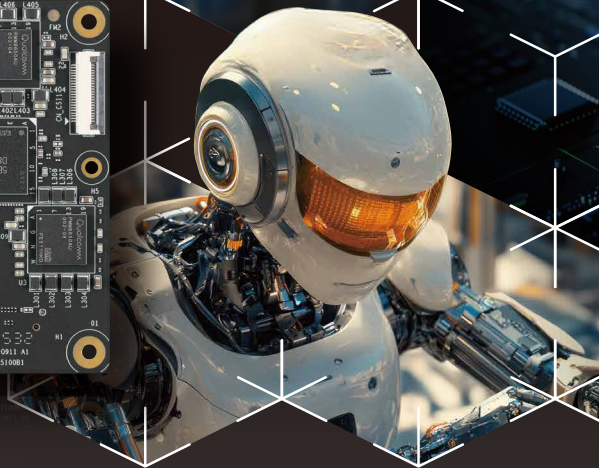
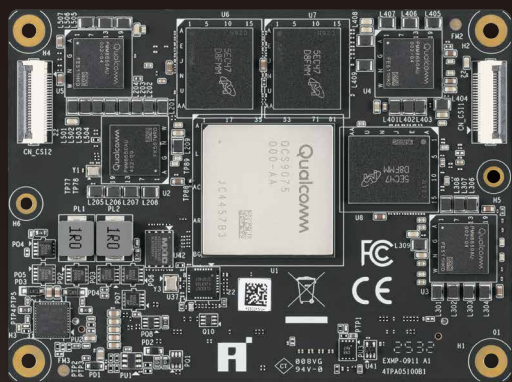


innodisk

ARCHITECT
INTELLIGENCE



INNODISK AI ON ARM

AI ON DRAGONWING

QUALCOMM-POWERED, HIGHLY EFFICIENT EDGE AI

Leading semiconductor company **Qualcomm Technologies**, introduced its brand-new **Dragonwing™ AI SoC portfolio**, along with the **industrial-grade IQ Series** designed for the IoT, industrial, enterprise, and networking markets in the AI era.

Leveraging Qualcomm's innovations, Innodisk delivers COM-HPC Mini modules and starter kits to accelerate edge AI adoption.

INNOVATING WITH QUALCOMM

The IQ product line across the Dragonwing series delivers high-performance, low-power edge AI for diverse applications.



IQ10	350 TOPS	Humanoid Robots, AI Automation
IQ9	100 TOPS	Factory Automation, Smart City
IQX	45 TOPS	AMR / AGV, Machine Vision
IQ8	20 / 40 TOPS	Industrial Gateways, Smart Retail
IQ6	1 TOPS	AI Sensor Hub, Mid-range PLC

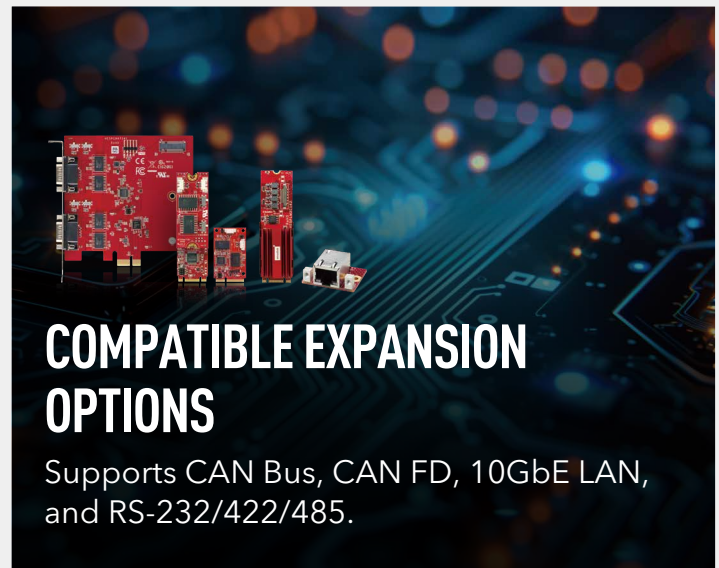
(Dense)

Innodisk's **AI on Dragonwing** solutions are designed for real-world edge AI, combining system-level flexibility, development support, and industrial-grade reliability.



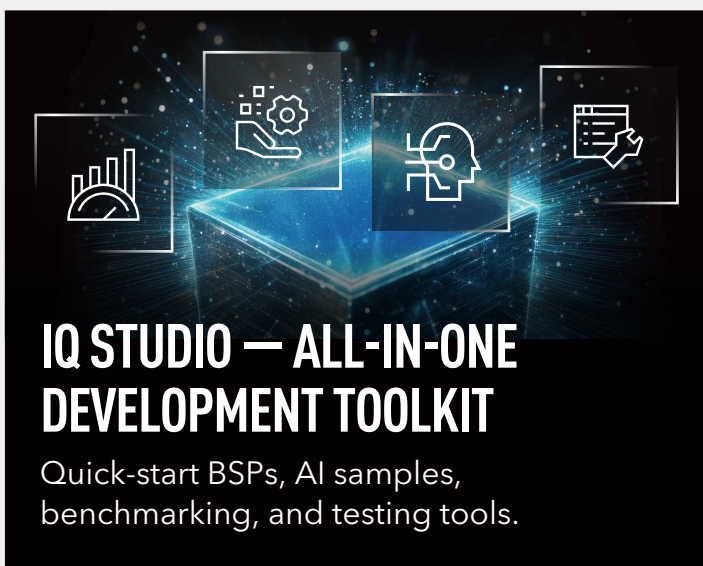
PAIRED WITH CAMERA MODULES FOR AI VISION

MIPI and GMSL cameras with fully integrated drivers.



COMPATIBLE EXPANSION OPTIONS

Supports CAN Bus, CAN FD, 10GbE LAN, and RS-232/422/485.



IQ STUDIO — ALL-IN-ONE DEVELOPMENT TOOLKIT

Quick-start BSPs, AI samples, benchmarking, and testing tools.



85°C -40°C

RELIABILITY & LONGEVITY

-40°C to 85°C operating temperature for modules and starter kits, with chipset longevity through 2038.

IQ9 / IQ8 COM-HPC MINI MODULE

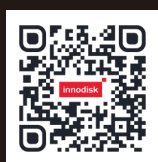


Model Name	EXMP-Q911	EXMP-Q801
Module Form Factor	COM-HPC Mini	COM-HPC Mini
Product Type	Module	Module
CPU	Qualcomm Dragonwing IQ-9075 SoC @2.36GHz	Qualcomm Dragonwing IQ-8275 SoC @2.35GHz
Graphics	Adreno 663 GPU	Adreno 623 GPU
Memory / Storage	36GB LPDDR5X / 128GB UFS 3.1	24GB LPDDR5X / 128GB UFS 3.1
AI Engine	100 TOPS (Dense) / 200 TOPS (Sparse)	40 TOPS (Dense) / 80 TOPS (Sparse)
Expansion	1 x PCIe Gen 4 x4 1 x PCIe Gen 4 x2	1 x PCIe Gen 4 x4 1 x PCIe Gen 3 x2 1 x PCIe Gen 3 x1
MIPI	2 x 4-lane MIPI CSI-2 (22pin, on module)	2 x 4-lane MIPI CSI-2 (22pin, on module)
Ethernet	2 x 2.5GbE RJ45	2 x 2.5GbE RJ45
Display	2 x DP1.2, 1 x eDP	2 x DP1.4
OS Support	Yocto Linux, Ubuntu	Yocto Linux, Ubuntu
Dimensions (W x L/mm)	95 x 70	95 x 70

IQ9 / IQ8 COM-HPC MINI STARTER KIT

		 	 
Model Name		EXEC-Q911	EXEC-Q801
Module Form Factor		COM-HPC Mini	COM-HPC Mini
Product Type		Starter kit	Starter kit
CPU		Qualcomm Dragonwing IQ-9075 SoC @2.36GHz	Qualcomm Dragonwing IQ-8275 SoC @2.35GHz
Graphics		Adreno 663 GPU	Adreno 623 GPU
Memory / Storage		36GB LPDDR5X / 128GB UFS 3.1	24GB LPDDR5X / 128GB UFS 3.1
AI Engine		100 TOPS (Dense) / 200 TOPS (Sparse)	40 TOPS (Dense) / 80 TOPS (Sparse)
Expansion Slots	M.2 2280 M Key	1 x PCIe Gen 4 x4	1 x PCIe Gen 4 x4
	M.2 3052 M Key	USB 3.2 Gen 2, USB2.0	USB 3.2 Gen 2, USB2.0
	M.2 2230 E Key	1 x PCIe Gen 4 x2, USB 2.0	1 x PCIe Gen 4 x2, USB 2.0
MIPI		2 x 4-lane MIPI CSI-2 (22pin, on module)	2 x 4-lane MIPI CSI-2 (22pin, on module)
Ethernet		2 x 2.5GbE RJ45	2 x 2.5GbE RJ45
Display		2 x DP1.2, 1 x eDP	2 x DP1.4
External I/O		- 3 x USB 3.2 Gen 2 x1 (10Gbps) - 1 x USB 3.2 Gen 2 x1 (10Gbps) Type-C (OTG support) - 2 x USB 2.0	- 3 x USB 3.2 Gen 2 x1 (10Gbps) - 1 x USB 3.2 Gen 2 x1 (10Gbps) Type-C (OTG support) - 2 x USB 2.0
OS Support		Yocto Linux, Ubuntu	Yocto Linux, Ubuntu
Dimensions (W x L x H/mm)		146 x 102 x 56.99	146 x 102 x 56.99

*Please note that preliminary specifications are subject to change; the final product datasheet shall prevail.



ABOUT INNODISK

Founded in 2005, Innodisk is a global leader in industrial memory and storage, now advancing into edge AI. From reliable storage to intelligent edge solutions, we empower real-time data, computing, and decision-making to help architect a more intelligent world.

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