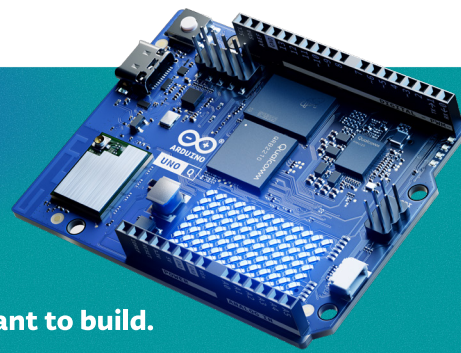


ARDUINO®

UNO™ Q



It's Arduino, it's a computer, it's anything you want to build.

Edge AI Ready · Dual-Brain Architecture

Arduino Ecosystem · Powered by Qualcomm® Dragonwing™ Processors

A next-generation Edge AI computer combining a Linux-capable Dragonwing™ QRB2210 processor with a real-time STM32U585 microcontroller — all in the iconic UNO form factor. Powered by the easy-to-use development platform, Arduino® App Lab, it brings AI and vision to the physical world — accessible for everyone.

Real-World Applications

 Agentic AI Assistant LLMs · Workflows · Private	 Predictive Maintenance Local · Low Power · AI	 AI-led Vision Inspection Prototyping · Production	 HMI & Control Panels AI vision · Display · Control
 Smart Home Vision · Voice · Gesture	 Autonomous Robotics ROS 2 · Navigation · Control	 Edge IoT Gateway IoT · Data · Connectivity	 Gaming Display · Control · Creative

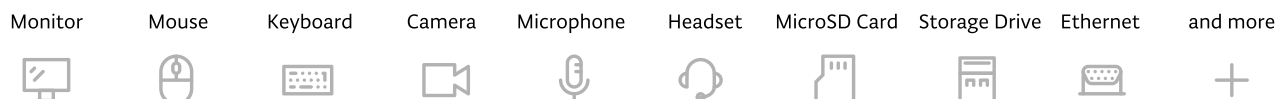
Key Features

 AI Acceleration Built-in GPU + DSP + ISP for edge vision and audio.	 Onboard 16 or 32 GB eMMC Memory No fragile SD cards, no data loss, lower total cost.	 Debian Linux + Docker Full upstream Debian OS with Docker and Docker Compose support out of the box.
 Wi-Fi 5 + Bluetooth 5.1 Dual-band 2.4/5 GHz Wi-Fi and BT 5.1 via onboard WCBN3536A antenna module.	 Arduino App Lab Code in Python or Sketches, run AI models and deploy to the board in minutes.	 Industrial Power 7–24V Direct 12V/24V supply via VIN. Overvoltage + reverse-polarity protected. No extra circuitry.

Dual-Brain Architecture

 High Performance Processor Dragonwing™ QRB2210 AI/ML inference · Networking · Vision and Audio processing · Data · File systems · Linux apps	 RPC Bridge	 Real-Time Control STM32U585 GPIO · PWM · Motors · Encoders · Interrupts · Real-time control loops
 Single Board Computer Plug in a monitor, keyboard and mouse to use UNO Q as a standalone Linux computer.		 PC-Connected Connect via USB-C or Wi-Fi, develop on your PC and deploy to the board in one click.

With UNO Q + USB-C Hub, you can connect with:



Expand Your Build - The UNO Q Accessories

Arduino® Modulino™ Nodes Plug & Play Sensing Solderless, chainable Qwiic I²C smart sensors and actuators with a unified API. Connects in seconds.	UNO Media Carrier Vision & Audio Expansion Unlocks camera, display, and audio via JMEDIA + JMISC high-speed connectors.	UNO Shield and Carrier Hardware Compatibility Features classic UNO headers to instantly plug in any Shield or Carrier you already own.	Power & Connectivity Official Arduino power supply, USB-C hub and cable, everything you need to start building straight out of the box.
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