

ARDUINO UNO Q PROFESSIONAL CARRIER BOARD

Product Brief | Compact • Full-Featured • Plug & Play • Exceptional Value

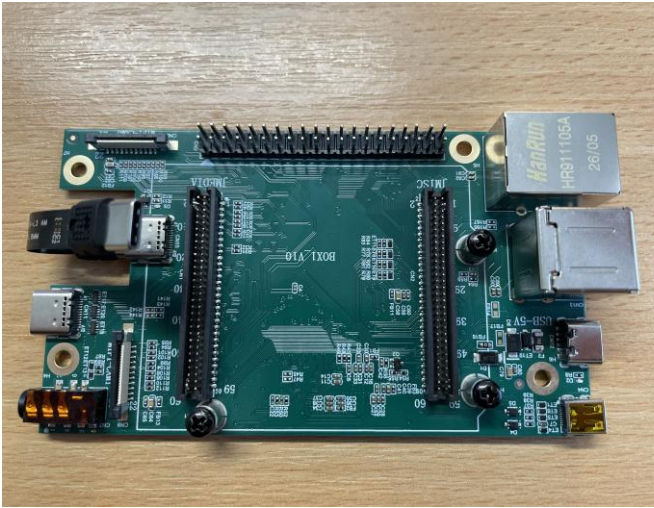


PRODUCT OVERVIEW

A professional-grade carrier board specially designed for Arduino UNO Q. With a rich set of interfaces and perfect form factor match, it enables true plug-and-play functionality, boosting development efficiency and accelerating product deployment.

Dimensions & Fit: 112 mm × 62 mm | Perfect match with Arduino UNO Q

Ideal for space-constrained embedded projects, industrial control, edge computing, etc.



PLUG & PLAY

No messy wiring

SAVES TIME

Faster development & shorter time-to-market

HIGH RELIABILITY

Stable & industrial grade design

EXCEPTIONAL VALUE

Premium quality at an affordable price

RICH INTERFACES FOR MOST APPLICATIONS

INTERFACE	QTY	FUNCTION DESCRIPTION
USB Type-C	3	① Connects to UNO Q mainboard (data + power) ② Dedicated programming port for firmware download & debugging ③ External power input for stable system supply
HDMI	1	High-definition video output for graphical interface, multimedia terminals, or HMI applications
USB 2.0 Host	2	Supports keyboard, mouse, USB drives, USB cameras, and other standard USB devices
Ethernet	1	Standard wired network interface for stable communication in industrial environments
40-pin GPIO	1	Fully compatible with UNO Q GPIO pinout; connect standard shields or sensor modules directly
MIPI CAM	2	MIPI CSI camera interfaces for HD image capture, ideal for machine vision and security monitoring
MIPI Display	1	High-speed interface for display panels
Audio	-	Microphone and speaker interfaces for audio input/output

TYPICAL APPLICATIONS

- **Industrial Controllers:** Utilize Ethernet and GPIO for robust automation
- **Smart Terminals:** HDMI display + USB Host input for HMI applications
- **Portable Instruments:** Compact design + MIPI cameras
- **IoT Gateways:** Wired network + multiple Type-C expansions

PLUG & PLAY DEPLOYMENT

1. Mount UNO Q Mainboard
2. Connect Power or Type-C Cable
3. Ready to Develop or Deploy!

WHY CHOOSE THIS BOARD?

- **DESIGNED FOR UNO Q:** No compatibility concerns
- **COMPREHENSIVE INTERFACES:** Video, network, GPIO, cameras, multiple USB-C
- **TIME-SAVING:** Eliminates custom carrier board design; reduces hardware & debug time
- **COMPACT SIZE:** 112 mm × 62 mm precision fit
- **FULL FUNCTIONALITY:** All essential interfaces in one board
- **BUILT FOR YOUR IDEAS:** Reliable foundation for innovative projects