✚EST

Your Partner in Innovation
Simple. Precise. Modular

SINGLE BOARD COMPUTER
E2I
Std: VB9S1QBM31-2C0
Pro: VB9D1QBM31-2C0

✉ **Email Us For Details!**
sales@apc-vest.com

E2I features a NXP i.MX 8M Mini Quad ARM core processor with a top clock speed of 1.8 GHz. E2I provides rich multimedia functionality and touch and gesture controls. All features are optimized for a Human-Machine-Interface (HMI).

These options enable designers to deliver an intuitive, highly interactive, and immersive user experience.

⚙ **Feature Rich**

⚙ **Easy Integration**

◳ **Compact**

Specifications	Standard (VB9S1QBM31-2C0)	Pro (VB9D1QBM31-2C0)
Processor	NXP i.MX 8M Mini	
Memory	2GB DDR4, 8GB eMMC	
Audio	Mic | Digital audio (SPDIF) | Speaker L/R (10W per channel)	
Security	Hardware assist cryptographic co-processor | Secure hardware-based key storage | Network key management support	
Networking	1x 1000/100/10 Mbps Ethernet | 802.11 a/b/g/n/ac Wave 2 | BLE 4.2	
Camera Interface	4-lane MIPI CSI Interface	
Others	RS485 | RS232 | SPI | PWM | I2C | 2x UART | GPIO | RTC + battery | MicroSIM socket | MicroSD slot | Expansion header for daughter card	
Power	12-24 V DC Input	
Dimensions	147mm x 89mm	
OS	Linux or Linux with Qt 5.x | Android 10	
USB Interfaces	1x USB 2.0 OTG 2x USB 2.0 Host type A	1x USB 2.0 OTG 6x USB 2.0 Host type A
Display & Touch Interfaces	I2C Touch | Dual channel LVDS	I2C Touch | Dual channel LVDS | 4-lane MIPI DSI (up to 1080p60)
JTAG	No	Yes

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