Dell Embedded Box PC 3000 and 5000 Series
Speed solutions to market with quality, reliable embedded box PCs delivered in weeks, not months

An underserved embedded industry

Do you need reliable embedded PCs, delivered quickly? Some embedded vendors substitute cheaper, unreliable components that can cause expensive downtime and impact your business reputation. Or they provide highly complex systems, difficult to aggregate. Some offer no flexible batch orders, large volumes only. Lead times are typically measured in months or quarters, with only basic hardware warranties and no certifications of the device.

Addressing the industrial PC market

Dell now brings to the embedded PC, also called industrial PC, industry new rugged devices, Internet of Things (IoT)-ready, with broad connectivity and backed by Dell's brand and enterprise-level suite of solutions and services:

- A flexible supply chain, for orders of one, small batches or large volumes—delivered in weeks
- Commercial quality standards for Dell products and suppliers to help lower your service costs
- Enterprise-grade security and manageability options, to decrease your business risk
- Global service and support, with a five-year support program option, so you deploy quicker
- Leasing and financing[1] to improve your OPEX, CAPEX and business growth

Ruggedized and ready to commission

Dell Embedded Box PC 3000 and 5000 are designed to MIL-STD-810G standards, building on the expertise of our rugged device engineers. They are meant to be used 24x7x365 for a long planned life, headless or with keyboard, mouse and monitor. Dell Embedded Box PCs are ruggedized, fanless, highly reliable devices for a variety of use cases, including process and discrete manufacturing, fleet management, kiosks, digital signage, surveillance and automated retail solutions. Flexible, with many input/output (I/O) options, they run on powerful Intel® processors. PCI/PCIe card slots provide flexible expansion for new I/O and graphics capabilities.

Form factors are optimized for VESA, DIN-rail and wall mounting, and they come with certifications complete, country compliance and radio for many countries.

Right quantities

At Dell, we offer minimum order quantities of one, small batches and essentially no volume too big for our global organization. Our fully configured systems in stock let us deliver your units in weeks, not months or quarters. Commission your systems and gain revenue faster, with less risk of obsolescence, lower costs of carried inventory.

Quality and reliability

Lost availability can cause expensive downtime. Dell delivers reliability with stringent process and leading validation practices on our embedded PCs. Our advanced product reliability engineering occurs at all levels of the product prior to release and with rigorous requirements for our suppliers as well. With Dell as your OEM, you can be confident your own solutions support your brand.

End to End Support

With the Dell Embedded Computer Box PC, you also get an end-to-end service solution, including Dell Deployment Services, Dell Basic Hardware Warranty or Dell ProSupport. The Dell services solution helps your business streamline deployment and support so you can focus on innovation.

Flexible branding options and OEM

An OEM-Ready version of the embedded PC makes it simpler to create your own solutions and systems that run on Dell hardware. Talk to us about our solutions that enable embedded systems, such as intelligent edge gateways, servers, storage, networking, cloud and mobility solutions.

Technical Specifications

Model Number	Dell Embedded Box PC 3000		Dell Embedded Box PC 5000	
Dimensions	240 mm wide x 170 mm deep x 60 mm high (9.5 x 7 x 2.5 inches)		246 mm wide x 270 mm deep x 113 mm high (9.5 x 10.5 x 4.5 inches)	
Weight	Target: 1.9 kg, Max: 2.8 kg		Target 5.8 Kg	
CPU/speed	Intel® Atom® E3825 (1.33GHz)	Intel® Atom® E3827 (1.75GHz)	Intel® Celeron® G3900E (2.4GHz)	Intel® Core i3-6100E (2.7GHz)
	Intel® Atom® E3845 (1.91GHz)		Intel® Core i5-6440EQ (3.4GHz)	Intel® Core i7-6820EQ[2] (3.5GHz)
Storage	1 x SATA SSD (solid-state drive) 1 x m.2 SSD (with interposer)		2 x SATA SSD (solid-state drive) 1 x m.2 SSD (with interposer)	
Memory	DDR3L type: 4GB (1x4GB) or 8GB (2x4GB or 1x8GB)		DDR4 type: 4GB (1x4GB), 8GB (2x4GB or 1x8GB) or 16GB (2x8GB)	
I/O	Dual Gigabit Ethernet: 2 x RJ-45 USB: 4 x USB2, 1 x USB3. Serial Interfaces: 3 x RS-232/422/485 (set by BiOS). GPIO: 12-bit. Wireless: Mini PCIe, Wi-Fi, WLAN+BT-LE, WWAN; optional mesh networking. Other: CAN bus option, Bluetooth option via WLAN.		Dual Gigabit Ethernet: 2 x RJ-45. USB: 4 x USB2, 4 x USB3. Serial Interfaces: 4 x RS-232/422/485 (set by BiOS). GPIO: 16-bit. Wireless: Mini PCIe, Wi-Fi, WLAN+BT-LE, WWAN; optional mesh networking. Other: CAN bus option, Bluetooth option via WLAN; Parallel via PCIe card.	
Expansion	None		2 PCI/PCIe slots: riser card options: 2 x PCI or 1 x PCI + 1 x PCIe x 16.	
Video	2 simultaneous displays: 1 x DP 1.2 (with support for passive HDMI/DVI adapters), VGA		3 simultaneous displays: 2 x DP 1.2 (with support for passive HDMI/DVI adapters), HDMI 1.4, VGA (After June: Optional discrete graphics card)	
Power input	Nominal input 24V AC/DC (12-26.4V). Also accepts Dell AC adapter, 100W with locking plug.		Nominal input 24V AC/DC (12-26.4V). Also accepts Dell AC adapter, 130W with locking plug	
Environmental	0°C to 50°C (investigating extended temperature with restrictions); IP 30 Rating			
Form Factor	Fanless design, optimized for wall, DIN-rail and VESA mounting			
Audio	Mic-in/Line-in, Line-out			
Security	Trusted Platform Module (TPM) v2.0 capable; Secure Boot, BIOS password and I/O port disablement. Selected OS may affect some features.			
Operating systems	At Launch: Microsoft: Win 7 Pro, Win 7 Embedded; Ubuntu Desktop. Later in 2016: Microsoft Win 10 Pro, Win 10 IoT Enterprise LTSB.			
Manageability	Available Microsoft® SCCM integration* and remote management option via Dell Cloud Client Manager*.			
Software	Optional Dell Boomi and Statistica software for backend data integration and distributed analytics. Support for third-party software solutions, including offerings from our qualified ISV partners.			
Unique Standards	Designed to MIL-STD-810G			
Warranty & Services	Commercial services vary. Limited hardware warranty[3] with mail-in service; ProSupport with on-site service[4] after remote diagnosis, up to 5 years.			
Services	Custom configuration service (BIOS, your software image, etc.) available. Dell's IoT services, cloud services, vertical services and other solutions available.			
OEM	Yes. Talk to us about co-branding. OEM ready.			
Availability	Summer 2016, unless otherwise noted			

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