



PRESS RELEASE
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Ultra-Compact RoughNUC-Plus Systems Offer High I/O Density Models Available with Intel Dual Core Celeron, Core i3 & Core i5 processors



Washington, D.C— August 14, 2013 — Today at the AUVSI Unmanned Systems Conference, Cadia Networks announced the expansion of its ruggedized line of conduction cooled, ultra-compact systems with the introduction of their **RoughNUC-Plus** systems.

RoughNUC-Plus systems are designed around Intel's Ivy Bridge microarchitecture and deployed with your choice of Core Celeron 847U, Core i3-3217U, or Core i5-3427U processors. They incorporate the Intel® Core™ vPro™ Technology, making them Hypervisor ready for embedded systems and allowing you to remotely manage or repair deployed systems. Best of all, RoughNUC-Plus systems provide the ability to do virtualization down at the core level with different operating systems running fully independent and fault tolerant of one another. This generation of core processors is feature rich with hyper threading Technology, HD 4000 Graphics, Security Technology, UEFI and Fast Boot BIOS, and much more.

RoughNUC-Plus systems offer the highest density of I/O connections in the embedded market today in an ultra-compact form factor. Up to three fully independent HD display ports, three Gigabit Ethernet ports, one USB 3.0 and two USB 2.0, a choice RS-232 or RS-485 ports, and two power input options are all available. Cadia Networks offers several standard configurations, but can customize the system's I/O to meet the specific requirements of your application.

"If our standard offering isn't exciting enough, the expansion areas and front panels on the RoughNUC-Plus platform are customizable and offer for plenty of headroom to mix and match specific customer's requirements for a perfect fit solution." said Randall Sucamele, President of Cadia Networks.

The RoughNUC-Plus chassis has a small footprint of 154mm x 150mm x 47mm and offers highly efficient conduction cooling, serving as both a case and passive (fan-less) heatsink for the Intel processor. Systems are available in both commercial and extended operating temperatures.

This new generation computing platforms provides flexible, customizable compute engines to drive digital signage, kiosks, video image capture, surveillance, HMI controllers, in-vehicle applications, command & control, industrial control, and intelligent computing for small spaces, or anywhere else you can imagine. The ruggedness of the RoughNUC-Plus make it ideal for a wide range of markets and applications including aerospace, oil exploration, mining, in-vehicle, defense, process control and many, many more.

RoughNUC-Plus Highlights:

- Fanless/conduction cooled system - available in industrial temperature versions (-20°C to 70°C)
- Processors: 2.8GHz Core i5-3427U, 1.8GHz Core i3-3217U, or 1.1GHz Celeron 947
- BIOS: EFI & Fast Boot
- Memory: 2 DDR3 SO-DIMMs, up to 16GB
- Graphics (all independent displays):
 - Core i5 -- HDMI & dual display ports
 - Core i3 -- dual HDMI or HDMI & Thunderbolt
 - Celeron -- dual HDMI
- Expansion options: full mPCIe with mSATA, half mPCIe/full mPCIe expansion adapter
- I/O specifications
 - USB: Core i5 – 1 USB3.0 external, 2 USB2.0 internal
Core i3 & Celeron – 3 USB2.0 external, 2 USB2.0 internal
 - LAN: 3 Gigabit Ethernet ports 10/100/1000 when provisioned
 - COM: RS-232, RS-485
 - Audio: HDMI 1.4a 8 channel (7.1)
- Mounting: tabletop, DIN Rail, versa & wall mountings
- Dimensions: 154 (D) x 150 (W) x 47 (H) mm



Back Panel I/O

Read more: [Cadia Networks – RoughNUC-Plus Systems](#)

The RoughNUC-Plus ultra-compact, embedded systems are available immediately at attractive prices. Single units are available for evaluation. Contact Cadia Networks for pricing and volume discounts. These systems can also be configured to meet the specific needs of your application.

About Cadia Networks

Based in Southern California, Cadia Networks is an innovative supplier of embedded computing solutions based on a broad range of application specific board level products and systems. We serve a variety of vertical markets and applications such as Point-of-Sales, M2M Intelligent Gateways, Network Appliances, OPS Modules, Media Servers and Digital Signage. The majority of our products are built around open industry standards.

The founding principals of Cadia Networks each have over 25 years in the embedded computing market. Their senior level executive management experience allows Cadia Networks to engage in a wide range of business opportunities with great depth. We offer standard off-the-shelf products, standard product variances and full ODM/OEM custom designs.

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