



PRESS RELEASE
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New Family of Ruggedized NUC Embedded Systems Feature Intel Core i3 CPU

Provides HDMI/Thunderbolt, Wireless Gateway and I/O Expansion



Laguna Hills, California — March 21, 2013 — Cadia Networks, an innovative global supplier of application specific board level products and systems for a wide range of embedded computing applications, introduces a new family of conduction cooled/fanless embedded systems based on Intel's Next Unit of Computing (NUC) motherboards; the RoughNUC™. The RoughNUC repurposes Intel's NUC into the embedded market with conduction cooled cases, industrial temperature range memory devices, and expansion options for traditional and application specific embedded I/O modules.

RoughNUC systems are available in a wide range of CPU and I/O configurations. The initial RoughNUC family members offer the choice between two Intel Core i3 based systems, with Gigabit Ethernet or Thunderbolt, and a Celeron 947 CPU for less demanding applications. Core i5 based models will be available within a few months.

All RoughNUC configurations share dual independent high performance graphics either through HDMI or Thunderbolt interfaces. These systems feature two SO-DIMM sockets for expandability up to 16GB of memory, two Mini PCIe sites for flexible support of I/O expansion and SSD configurations, BIOS vault technology, fast boot and the Intel Visual BIOS. RoughNUC systems also support Intel "Anti-Theft" Technology providing hardware intelligence designed to protect your system and its data if lost or stolen.

RoughNUC embedded systems are ideal for compute and data collection engines for M2M Intelligent gateways, kiosks, digital signage, and intelligent systems for small embedded spaces, or rugged environments.

RoughNUC Highlights:

- Fanless/conduction cooled system - available in industrial temperature versions (-20°C to 70°C)
- Processors: 1.8GHz, 3MB Smart Cache, Core i3-3217U or 1.10 GHz, 2MB Cache Intel Celeron 947
- BIOS: EFI & Fast Boot
- Memory: 2 DDR3 SO-DIMMs, up to 16GB
- Graphics: Dual HDMI or HDMI & Thunderbolt
- Expansion Options: Full mPCIe with mSATA, Half mPCIe
- I/O Specifications
 - USB: 3 external, 2 internal
 - Integrated LAN: 10/100/1000 when provisioned
 - Audio: HDMI 1.4a 8 channel (7.1)
- Mounting: Tabletop, DIN Rail, Versa & Wall mountings
- Dimensions: 110 (D) x 162 (W) x 47 (H) mm



Read more about this product at: [Cadia Networks – RoughNUC](#)

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 Gateway, Network Appliances, OPS Modules, Media Servers and Digital Signage. The majority of our products are built around open industry standards such as PC/104, PC/104-Plus, EPIC, QSeven, MiniITX, NUC and OPS.

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, and can consult on conceptual designs in the early stages of development.

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