



**PRESS RELEASE**  
**FOR RELEASE September 10, 2014**

**Cadia introduces Bay Trail provisioned RoughNUC Computer Platforms**  
5W TDP Atom E3815 with a Custom Solutions Header!

**San Francisco, CA— September 10, 2014 —**

Today at the Intel Developers Forum 2014, Cadia Networks is pleased to announce the latest additions to their RoughNUC family of ruggedized intelligent systems with the introduction of RoughNUC-BTS.



The RoughNUC-BTS intelligent systems are built with an Intel® Atom™ processor providing a great balance between price and performance for value-conscious application developers in the embedded computing markets. These low-cost, low-power ultra-compact form factor solutions are configured as fanless thermal solutions for the ultimate silence and reliability, onboard eMMC flash storage for small-footprint software solutions (i.e. Linux Lite, etc), internal eDP flat panel display connectivity for built-in screens, video graphics array (VGA) port for monitor compatibility in legacy installations, RS-232 serial ports for peripherals requiring the robustness of hardware handshaking, watchdog timer for resilient system availability, and also inter-integrated circuit (I<sup>2</sup>C) and pulse width modulation (PWM) signals for interfacing with sensors and other embedded devices.

Powered by the Intel® Atom™ processor E3815, RoughNUC-BTS systems also provides an ideal combination of power consumption, performance, affordability, and software compatibility to drive intelligent Internet of Things gateways, digital signage, point-of-sale, and kiosk solutions, amongst other usages. Applications taking advantage of the onboard 4 GB of embedded MultiMediaCard (eMMC) storage, will benefit from a lower overall system-level cost.

Entry level RoughNUC-BTS systems start at \$295.00

**Product Specifications:**

- Processor — Intel Atom E3815 (1x “Bay-Trail-I” core @ 1.46GHz); 512KB cache 5W TDP, Intel HD Graphics (400MHz)
- Memory — up to 8GB DDR3L 1333/1600MHz (down-clocked to 1066MHz) via 1x SODIMM
- Storage – 4GB eMMC flash; 2.5-inch HDD or SSD bay
- Display:
  - HDMI 1.4 port
  - Internal Embedded DisplayPort 1.3 connector
  - VGA port
- Wireless/expansion — Mini-PCIe slot (half-length) and built-in antennas for wireless module

- Networking — gigabit Ethernet port
- Other I/O:
  - USB 3.0
  - 2x USB 2.0
  - 3x internal USB 2.0 (2×5 + 1×5 headers)
  - Internal Audio headphone and mic jack (Intel HD Audio)
  - 2x serial port (TXD/RXD/RTS/CTS, w/5V transceivers)
- Custom Solutions header — DMIC; AppLaunch GPIO; HDMI\_CEC; SMBus; I2C [0:1]; PWM[0:1] w/5V buffers; 1.8/3.3/5 Vstby power
- Wide Input Voltage range: 12-24V DC
- Other features — Table top, DIN Rail, Wall and VESA mountings; supports Kensington lock; TPM 1.2; Intel VT-x support; watchdog timer
- Operating temperature — 0 to 60°C, -20 to 70°C available upon request
- Dimensions — 236mm x 111mm x 39mm, 140mm x 111mm x 51mm
- Operating system – Linux; Microsoft WES8 and WES7

*The I/O you need, with the processor you want!*

*For more information about our products & services, please visit us at:  
<http://www.cadianetworks.com/embedded-systems/>*

### **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.

*For further information, please visit [www.cadianetworks.com](http://www.cadianetworks.com) or call toll free+1-855-GO-CADIA.*

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