

OEM-Ready ARM A8 SBC with 12 Onboard Serial Ports

Dual CAN bus, Dual Ethernet and Dual Independent Displays



Laguna Hills, California — February 19, 2013 — Cadia Networks introduces yet another embedded ARM-based SBC into their family of products, the MIT-5500. This mini-ITX small form factor board is designed around the power efficient Freescale i.MX53 ARM Cortex™ A8 core processor. Operating systems like Android or Linux can boot natively out of the onboard 4GB iNAND flash.

The MIT-5500's wealth of features make it ideal for a variety of applications ranging from advanced human to machine interfaces, data acquisition, point of sale, vehicle telematics, digital signage, industrial automation, building controls and connected appliances.

The MIT-5500 is loaded with extensive I/O features in order to meet the demands of many OEMs. Key features include the 12 onboard serial ports, dual Ethernet ports, 40-bit digital GPIO, dual CAN, and a 4 wire touch interface. The Freescale i.MX53 ARM Cortex™ A8 core processor features full HD 1080p playback as well as 1080p decoding and 720p encoding using hardware acceleration, and has the ability of running dual independent displays through the HDMI, VGA or LVDS interfaces. Another point of flexibility is the power input that allows a range of input voltages between 9 to 24 volts DC.

Features Highlights:

- Freescale Cortex A8 i.MX53 CPU up to 1.2GHz with long life cycle support
- Onboard 1 GB DDR3 Memory, 4 GB iNAND flash
- Dual independent display with HDMI, VGA and LVDS interfaces
- Two fast Ethernet ports and twelve COM ports on board
- Hardware acceleration of 1080p video decoding and 720p encoding
- Native support for Android OS & Linux with Qt Extended application
- Support of up to 40-bit GPIO and dual CAN bus option
- 9 to 24 volt DC wide input voltage range

Read more : [Cadia Networks – MIT-5500 Mini-ITX ARM Motherboard](#)

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 such as PC/104, PC/104-*Plus*, EPIC, QSeven and MiniITX.

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.

For further information, please visit www.cadianetworks.com or call toll free +1-855-GO-CADIA.

Cadia Networks Media Contact:

Director of Marketing
marketing@cadianetworks.com
Direct: +1-855-462-2342 ext. 514

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