

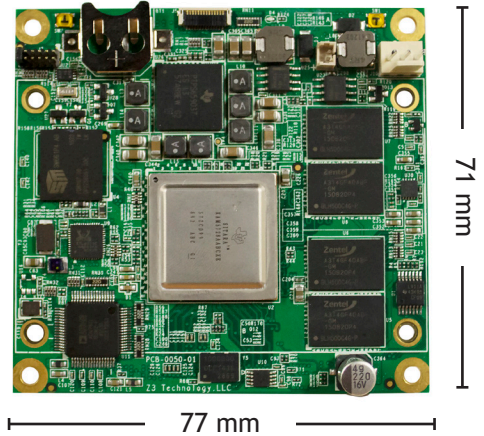


**Z3**  
Technology®

# Z3-AM572x-MOD

## OEM Production-Ready Module

The Z3-AM572x-MOD is the latest addition to Z3 Technology's portfolio of production-ready modules. This new module features dual 1.5 GHz ARM® Cortex®-A15's and dual 750 MHz C66x DSPs with the capability to encode and decode H.264 in resolutions up to 1080p60 as well as decode HEVC up to 720p30. These combined features create an ideal platform for accelerated production of HMI, machine vision, networking, medical imaging and many other industrial applications. This powerful, production-ready MOD offers the latest in integrated TI processor technology combined with Z3 Technology's reputation for compact, production quality embedded modules and software solutions.



### BENEFITS

- > H.264 Encode and Decode in Resolutions up to 1080p60
- > 1.5 GHz Dual ARM Cortex-A15's and Dual 750 MHz C66x DSP's
- > Industrial Communication Subsystem
- > High density connectors to interface to all signals
- > Versatile design geared to reduce time-to-market and overall costs
- > Linux-based system, easy to customize if needed

### APPLICATIONS

- Medical Imaging
- Video Security and Surveillance
- Industrial Video
- Digital Signage
- Customized Applications\*

**\*Contact Z3 Technology for Customized Product Options**

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### Hardware

*Pre-loaded, OEM Ready Video Application Executable Commands License Available with RPS Development Kits*

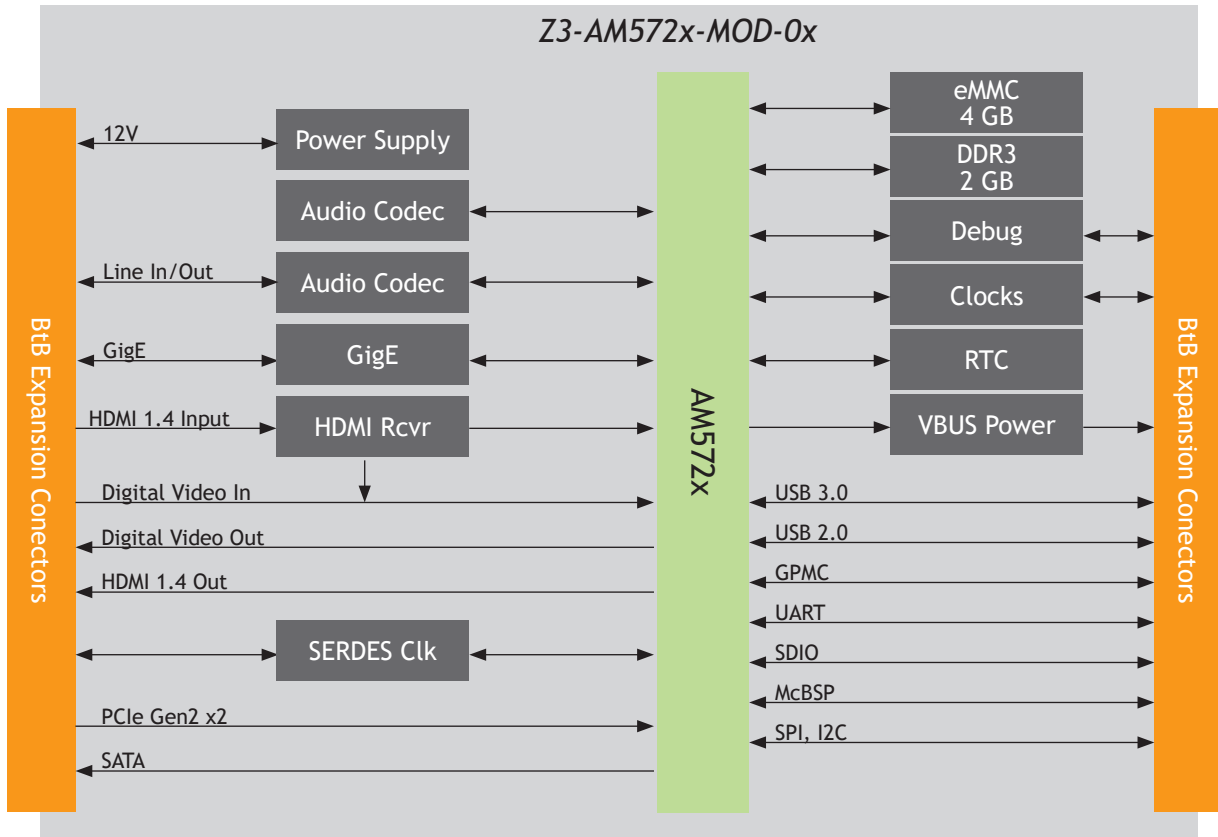
Module	Z3-AM572x-MOD	
Processor	Dual ARM Cortex-A15 + Dual 750 MHz C66x DSPs	
Video Codecs	H.264 and HEVC	
Expansion Interface	•Comprised of four externally available 100-pin high density connectors	
Interfaces <i>(Available via Expansion Connectors or Z3 Application Boards)</i>	Analog & Digital Video I/O	MMC/SD
	Analog & Digital Audio	PCIe
	USB 3.0, 2.0	UART
	GigE	I2C
	SATA2	SPI
Audio Codecs	AAC or PCM	
Memory	DDR3: 2 GB eMMC: 4 GB	

### Software

Software Development	Texas Instruments® Single Processor SDK, Z3 Technology software components for SDK, Z3 Applications
Operating System	Linux 3.x (root file-system, NAND boot, tool chain and flash programming tool), u-boot
Encoding Resolutions	H.264 video up to 1080p60
Output Formats	RTP, RTMP and MPEG-2 TS
Decoding Resolutions	HEVC video up to 720p30 H.264 video up to 1080p60
Input Formats	RTP and MPEG-2 TS
Features	<ul style="list-style-type: none"> <li>•Real-time control and processing with quad core PRU (Programmable Real-Time Unit)</li> <li>• Industrial communication subsystem</li> <li>•3D and 2D graphics and advanced display capabilities</li> <li>• Source code license available*</li> </ul>

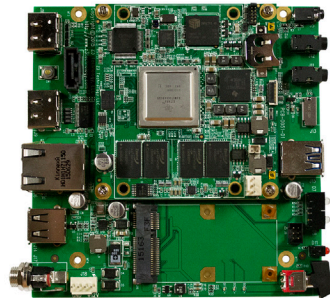
### Specifications

Module Size	77 x 71 mm (3.03 x 2.80 in)
Power Supply	12V
Typical Power Consumption	5W (Estimated)



## RPS Starter Kits

Starter Kits include the Z3-AM572-MOD, an Application (I/O Board), Pre-loaded Production Software and Documentation.



Z3-AM572x-RPS

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Z<sup>3</sup> Technology is the market leader in providing production-ready embedded multimedia solutions and systems. From our founders to our world-class engineers to our sales and customer service team, we understand your requirements and speak your language. Our experience allows us to provide cost-effective solutions to meet your multimedia product requirements. With the assistance of our robust worldwide distribution and sales networks, we can provide a simple solution for your multimedia needs.