

Orderable Part Number	3D GFX	Speed	Operating Temp (Junction)
XAM3359ZCZ	•	720 MHz	0 to 90 C
XAM3358ZCE	•	500 MHz	0 to 90 C

Package Info:

- ZCZ:15 x 15mm (0.8mm, 324-ball)
- ZCE: 13 x13mm (0.65mm, 298-ball, Via Channel™)

Symbols/footprints:

http://www.ti.com/product/am3359#symfootprint

IBIS/BSDL Simulation Models:

http://www.ti.com/product/am3359#simulationmodels

Supported Power Management IC's:

TPS65217: http://www.ti.com/product/tps65217
TPS65910A: http://www.ti.com/product/tps65910a
TPS650250: http://www.ti.com/product/tps650250
TI Power Management Site: http://power.ti.com

AM335x Sitara ARM Cortex-A8 microprocessors (MPUs) deliver up to 720 MHz ARM Cortex-A8 performance with robust peripheral set and flexible power management modes that consume as little as 7mW of power. Ideal for fan-less applications such as portable navigation terminals, handheld gaming devices and home/building automation control systems. Optimized for system and peripheral integration, provide multiple high-performance interfaces, such as, USB2.0 w/ PHY, Gigabit Ethernet two-port switch, CAN, PRU and more.

AM3359 Product Page: http://www.ti.com/am3359

AM3358 Product Page: http://www.ti.com/am3358

AM3357 Product Page: http://www.ti.com/am3357

AM3356 Product Page: http://www.ti.com/am3356

AM3354Product Page: http://www.ti.com/am3354

AM3352 Product Page: http://www.ti.com/am3352

Datasheet: http://www.ti.com/lit/gpn/am3358
TRM: http://www.ti.com/lit/pdf/spruh73

Errata: http://www.ti.com/lit/pdf/sprz360

Wiki Overview:

http://processors.wiki.ti.com/index.php/Device:AM335x:D evice Evaluation

Product Bulletin: http://www.ti.com/lit/pdf/sprt617

E2E Forum:

http://e2e.ti.com/support/dsp/sitara_arm174_microprocessors/f/791.aspx

Overview Video:

http://focus.ti.com/general/docs/video/Portal.tsp?entryid=
0 siv3pgx1

Get Started with Development Video:

http://focus.ti.com/general/docs/video/Portal.tsp?entryid=
0 z1mryapv

Power (Total: 600mW-1000mW; Standby: ~25mW)

Power Consumption Summary:

http://processors.wiki.ti.com/index.php/AM335x_Power_Consumption_Summary

PinMux Tool: http://www.ti.com/tool/pinmuxtool

Schematic Checklist:

http://processors.wiki.ti.com/index.php/AM335x Schematic Checklist

App notes, White Papers, Hardware Migration Guides:

http://www.ti.com/product/am3359#technicaldocuments

End Equipment & Applications:

http://www.ti.com/apps/docs/appshomepage.tsp

Memory Vendor Selection Guide:

http://processors.wiki.ti.com/index.php/Memory Vendor Selection Guide

User Interface

Application Level Software Browser/ **Media Players**

"Applications"

Application Frameworks - Java, Qt, GStreamer, Flash, Android, DShow, Direct Draw

Board Support Package

- Linux Open Source TI Developed
- Android Open Source TI Funded
- Windows Embedded CE TI Owned, **Developed by Microsoft Gold Partner**
- Commercial Linux and Android Many **Partners**
- RTOS QNX, VxWorks, Nucleus, Integrity etc.

Video, Imaging, Speech, Audio Codecs and **Frameworks** on NEON™

OpenGL[®] ES and OpenVG™ Library On **SGX**

2D **Graphics** Library On **NEON**

OS Kernel

ARM Cortex-A8 with on chip USB

Accelerators – SGX 530 and Neon

AM335x

Available OS:

TI owned – No charge		TI owned – No charge		
Linux		Android	WinCE	
Community	Commercial	G'bread (2.3) Community	WEC 7.0	
4Q11	Beta – 4Q11	Beta – 4Q11	Beta – 4Q11	

Linux SDK: http://www.ti.com/tool/linuxezsdk-sitara Android SDK: http://www.ti.com/tool/androidsdk-sitara

Windows Embedded CE 6.0 SDK: http://www.ti.com/tool/wincesdk-a8

Code Composer Studio: http://www.ti.com/tool/ccstudio

Sourcery G++:

http://focus.ti.com/dsp/docs/thirdparty/catalog/devtoolsproductfolder.tsp?actionPerformed=productFolder&prod

uctld=2477

Evaluation Module (EVM): http://www.ti.com/tool/tmdxevm3358

EVM technical docs & schematics: http://www.ti.com/tool/tmdxevm3358

More Software and Development Tools: http://www.ti.com/product/am3358#toolssoftware

Sitara Forums: http://www.ti.com/e2e-sitara Sitara Wiki: http://www.ti.com/sitarawiki

Videos, Training & Events: http://www.ti.com/am3358#supportandcommunity

TI Third Party Network: http://www.ti.com/3p

Distributor info: http://focus.ti.com/general/docs/distributorinfo.tsp