

PRODUCT BRIEF:

Logic :: Freescale

ZOOM™ PowerQUICC™ Development Kit

By providing a product-ready hardware and software platform, Logic's embedded solutions fast forward development and help engineers stay focused on their high-value core technologies. The Zoom™ PowerQUICC™ Development Kit is a low-cost, high-performance method of evaluating the Freescale PowerQUICC™ processor and COM Express System on Module (SOM).

Logic's COM Express SOM is ideal for applications in the industrial, networking, and medical markets. The SOM adheres to the COM Express Compact form factor and is based on the Type III pin-out specification. The MPC8360 PowerQUICC™ processor from Freescale Semiconductor provides both control and communications processing in a single chip, making it a cost-effective solution for any product requiring deterministic industrial networking protocols.

By starting their design with the Zoom™ PowerQUICC™ Development Kit, developers can write application software on the same hardware that will be used in the final product.

The Zoom™ PowerQUICC™ Development Kit includes the COM



**ZOOM™ PowerQUICC™ DEVELOPMENT KIT
WITH COM EXPRESS SOM INCLUDED**

Express SOM, application baseboard, and accessories required to immediately begin development work.

ZOOM™ PowerQUICC™ KIT :: HIGHLIGHTS:

- + Low-cost development kit
- + Includes product-ready COM Express System on Module (SOM)
- + Compact size
- + Production-ready QUICCEngine™ micro-code available from third-parties
- + Ready to run Board Support Packages (BSPs)

PowerQUICC™ COM EXPRESS :: BENEFITS:

- + Long product life-cycle
- + Scalability
- + COM Express Compact form factor
95 mm x 95 mm x 14.5 mm
- + 0 °C to 70 °C (commercial temp) or
-40 °C to 85 °C (industrial temp)
- + See MPC8360 COM Express SOM
product brief for more information



ZOOM™ PowerQUICC™ Development Kit Ordering Information

Model Number	COM Express Configuration	Recommended Resale
MPC8360E-RDK	COMMPC8360E-10-2752FCR	\$999

MPC8360 COM Express Ordering Information

Model Number	Speed (MHz)	SDRAM (MB)	NAND Flash (MB)	NOR Flash (MB)	Graphics/Touch	Ethernet	Temperature
COMMPC8360-10-1652LCR	400	128	64	8	N	10/100	0 °C to 70 °C
COMMPC8360E-10-2752FCR	667	256	64	8	Y	10/100/1000	0 °C to 70 °C

+Contact Logic for availability of industrial temp configurations.

ZOOM™ Display Kit Ordering Information

Model Number	Sharp LCD PN	Display Size	Display Format	LCD Interface	Key Features
LCD-3.6-QVGA-10R	LQ036Q1DA01	3.6"	QVGA 320x240	TFT	Color, transmissive
LCD-6.4-VGA-10R	LQ64D343	6.4"	VGA 640x480	TFT	Color, transmissive

LOGIC WEBSITE :: DESIGN RESOURCES:

- +Logic Technical Support : <http://www.logicpd.com/support/>
- +Technical Discussion Group : <http://www.logicpd.com/support/tdg/>
- +Frequently Asked Questions (FAQ) : <http://www.logicpd.com/support/faq/>
- +For more information contact Logic Sales : product.sales@logicpd.com



embedded product solutions

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Product Features

COM Express SOM Included

- +COMMPC8360E-10-2752FCR

Display Connectors

- +Integrated LCD, touch, and backlight connector for Zoom Display Kits
- +LVDS connector
- +VGA connector

Network Support

- +Four RJ45 Ethernet jack connectors with magnetics (two 10/100 and two 10/100/1000)

PC Card Expansion

- +Two PCI connectors (one standard 3.3V and one Mini-PCI Type IIIA)

USB

- +Four USB 2.0 full-speed hosts

Serial Ports

- +Two 115.2kbps RS-232 debug serial ports
- +Two 100kbps RS-485 debug serial ports

Software

- +U-Boot bootloader
- +Linux Board Support Packages (BSPs)
- +Production quality QUICCEngine™ micro-code for PROFIBUS, IEEE(R) 1588, and Ethernet PowerLink available from third parties

Cables

- +Serial cable (null-modem)
- +12 volt power supply

Mechanical

- +COM Express Compact form factor SOM 95 mm wide x 95 mm long x 14.5 mm high
- +FlexATX form factor baseboard 190.5 mm wide x 228.6 mm long x 38.3 mm high

RoHS Compliant

PN: 1007947 Rev B