



The Zoom™ Freescale ColdFire EVB is a low-cost Application Development Kit for evaluating the functionality of the ColdFire processor and Fire Engine. This results in an embedded product development cycle with less time, less cost, less risk ... more innovation.

Application development is performed right on the product-ready Mini-ITX/Fire Engine and software Board Support Packages included in the kit, which enables customers to seamlessly transfer their application code and hardware into production.



- Fire Engine Included (64MB DDR, 16MB Flash, Graphics Ctrlr, USB Host)
- LCD Display Connector Integrated LCD, touch & backlight connector for Zoom Display Kits
- VGA Connector
- Network Support Two RJ45 Ethernet jack connectors (application/debug)
- PC Card Expansion
 - Two PCI 2.2 slots (32 Bit, 33 or 66MHz, 3.3V)
- Serial Ports
 - Three RS232 level shifted serial ports, 2 DB9s, 1 header
 - One TTL serial port connected to IrDA transceiver
- Can 2.0b Two ports (MCF5485 only)
- USB USB 2.0 High speed four hosts and 1 Highspeed Device (on Fire Engine)
- SPI
- RTC
- Software

- LogicLoader™ (bootloader/monitor)	- ARC MQX RTOS ¹
- Freescale dBug ROM Monitor	- Green Hills Integrity ¹
- Linux ¹	- Accelerated Technology Nucleus ¹
- Mechanical Mini-ITX
 - 6.7" (170 mm) long x 6.7" (170 mm) wide x 1.3" (33 mm) high
- Cables
 - Serial cable (null modem) - Ethernet Crossover
 - 5 volt power supply - USB Function Cable
 - BDM interface

¹) Third party ports available from Freescale

■ Zoom ColdFire Development Kit Ordering Information

Freescal P/N	Fire Engine Configuration	Recommended Resale
M5475EVB	M5475CFE	\$850
M5485EVB	M5485CFE	\$850

■ Fire Engine Ordering Information

Freescal P/N	DDR Mem (MB)	Nor Flash (MB)	Boot Flash	Graphics Ctrlr	USB ¹
M5475AFE	64	0	2 MB	-	-
M5475BFE	64	16	2 MB	-	-
M5475CFE ²	64	16	2 MB	Y	Y
M5475DFE	64	0	2 MB	-	Y
M5475EFE	64	0	2 MB	Y	Y
M5475FFE	128	32	2 MB	Y	Y
M5485AFE	64	0	2 MB	-	-
M5485BFE	64	16	2 MB	-	-
M5485CFE ²	64	16	2 MB	Y	Y
M5485DFE	64	0	2 MB	-	Y
M5485EFE	64	0	2 MB	Y	Y
M5485FFE	128	32	2 MB	Y	Y

1) When ordering Fire Engines with USB Host, the PCI slots are locked at 33 MHz

2) Denotes Fire Engine configurations on M5475EVB and M5485EVB Zoom ColdFire Development Kit

■ Zoom Display Kits*

Model Number	Sharp LCD P/N	Display Size Diagonal	Display Format	Type	Key Features
LCD-3.5-QVGA-10	LQ035Q7DB02	3.5"	QVGA (240x320)	TFT	Color, Transreflective
LCD-6.4-VGA-10	LQ64D343	6.4"	VGA (640x480)	TFT	Color, Transmissive
LCD-12.1-SVGA-10	LQ121S1DG31	12.1"	SVGA (800x600)	TFT	Color, Transmissive

* Freescale Development Kits require the purchase of an LCD Adapter Cable (P/N LCDCABLE-FREESCALE-10)

Fire Engine Advantage: Less time, less cost, less risk ... More Innovation

