



Zoom™ ColdFire DEVELOPMENT KIT

M5475EVB & M5485EVB



TARGET MARKETS

The Fire Engine is ideal for industrial market applications:

- Factory Automation
Embedded Computing, Network Integration
- HVAC & Building Control
Building Automation & controls
- Medical Instrumentation
Medical imaging, Home Health Monitoring, Patient Monitoring
- Fire & Security
CCTV Cameras, Control Panels, Intruder Alarm Control Panels
- Point of Sale (POS) Market
Card Payment Terminals, POS Terminals/Printers, Bar Code Scanners

ZOOM DISPLAY KITS

Logic offers the following display kits (bezel, inverter, touch panel, and cable assemblies included):

- Freescale P/N MQVGADK
3.5", QVGA, AD-TFT
- Freescale P/N MVGADK
6.4", VGA, TFT
- Freescale P/N MSGADK
12.1", SVGA, TFT

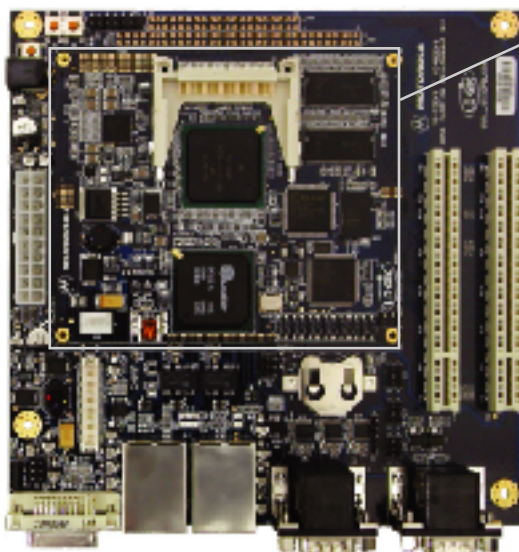
ORDERING INFORMATION

Zoom ColdFire Development Kits:

- Freescale P/N M5475EVB
MCF5475 Fire Engine,
0 to 70 deg C
- Freescale P/N M5485EVB
MCF5485 Fire Engine
-40 to 85 deg C
- Fire Engines are available for purchase separately, see next page.

The Zoom™ ColdFire Development Kit 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 transfers their application code and hardware into production.



Fire Engine
Included
SOM-ETX

MCF5485
Fire Engine
SOM-ETX

Logic Mini-ITX
or
Custom
Base Board



Final
Product

- **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**
 - Two 115.2Kbps RS-232 serial ports
 - Two TTL serial ports
- **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)
 - Freescale Debug ROM Monitor
 - Linux (avail. Q3 '04)¹
 - ARC MQX RTOS¹
 - Green Hills Integrity¹
 - Accelerated Technology Nucleus¹
- **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

¹Third party ports available from Freescale

Zoom ColdFire Development Kit Ordering Information

Freescal P/N	Fire Engine Configuration	Recommended Resale
M5475EVB	MCF5475CFE	\$ 850
M5475EVB	MCF5485CFE	\$ 850

MCF5475 Fire Engine Ordering Options

Freescal P/N	DDR Mem (MB)	Nor Flash (MB)	Boot Flash	Graphics Ctrlr	USB*
MCF5475AFE	64	0	Y	-	-
MCF5475BFE	64	16	Y	-	-
MCF5475CFE**	64	16	Y	Y	Y
MCF5475DFE	64	0	Y	-	Y
MCF5475EFE	64	0	Y	Y	Y
MCF5475FFE	128	32	Y	Y	Y

* When ordering Fire Engines with USB Host, the PCI slots are locked at 25 MHz

**Denotes Fire Engine configuration on M5475EVB Zoom ColdFire Development Kit

MCF5485 Fire Engine Ordering Options

Freescal P/N	DDR Mem (MB)	Nor Flash (MB)	Boot Flash	Graphics Ctrlr	USB*
MCF5485AFE	64	0	Y	-	-
MCF5485BFE	64	16	Y	-	-
MCF5485CFE**	64	16	Y	Y	Y
MCF5485DFE	64	0	Y	-	Y
MCF5485EFE	64	0	Y	Y	Y
MCF5485FFE	128	32	Y	Y	Y

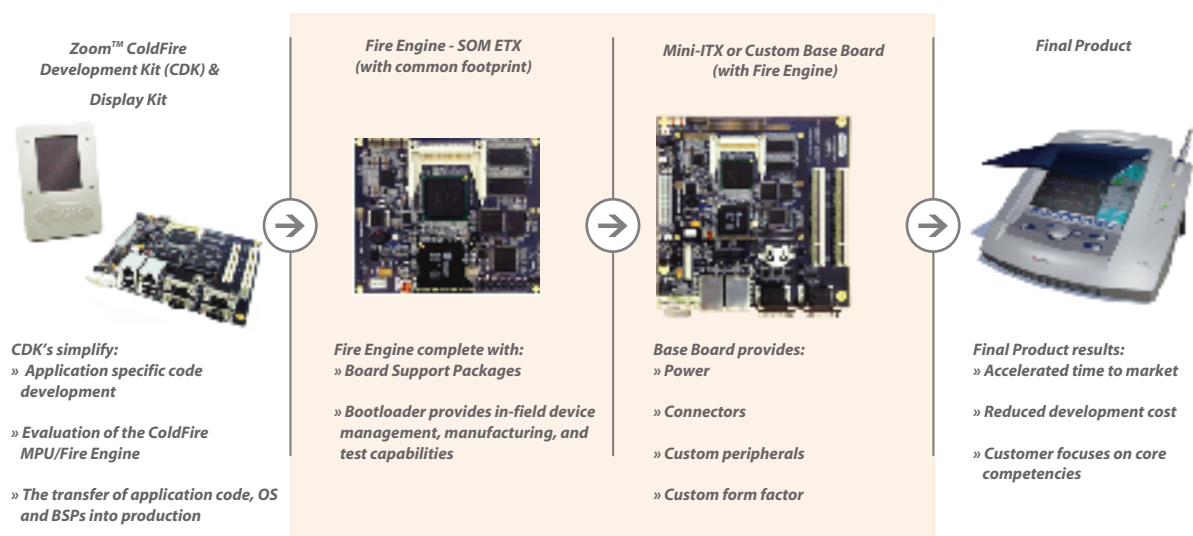
* When ordering Fire Engines with USB Host, the PCI slots are locked at 33 MHz

**Denotes Fire Engine configuration on M5485EVB Zoom ColdFire Development Kit

Zoom ColdFire Display Kits

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

Fire Engine Advantage: Reduce development time, cost, and risk



Get to Market Faster with Logic's Product-Ready Fire Engine...

Stay ahead by taking advantage of the Fire Engine's scalable hardware and software architecture