



## Features

- Freescale i.MX51 800MHz
- Onboard 512MB DDR2 SDRAM
- Onboard 4GB eMMC
- 2 USB, 1 COM, 1 Debug Port
- 10/100 LAN, SD Socket
- Fanless & Slim Design
- Single +12V



## Specifications

### Panel

<b>LCD Size</b>	5.7" SVGA TFT, 4:3
<b>Resolution</b>	640 x 480, 262K
<b>Pixel Pitch</b>	0.06mm (W) x 0.18mm (H)
<b>Luminance</b>	320nits (cd/m <sup>2</sup> )
<b>Contrast Ratio</b>	300
<b>Viewing Angle</b>	60 (U), 40 (D), 70 (L), 70 (R)
<b>Response Time</b>	15ms
<b>Backlight</b>	LED Backlight
<b>Touch Screen</b>	4-wire Resistive
<b>Touch Light transmission</b>	80%
<b>Touch Interface</b>	LVDS

### System

<b>Board</b>	RSC-IMX51
<b>CPU</b>	Freescale i.MX51 800MHz
<b>PMU</b>	Freescale MC13892
<b>eMMC</b>	4GB Onboard
<b>Memory</b>	512MB DDR2 SDRAM Onboard
<b>RTC</b>	From MC13892
<b>Watchdog Timer</b>	Generates a Time-out System Reset, Setting Via Software
<b>Expansion Card</b>	SD Socket Support SDHC (eSDHC-2)
<b>Operating System</b>	Linux, Win CE 6.0, Android 2.3.4
<b>Other</b>	1 x 18/24-bit LVDS with 640 x 480 LCD

### Rear I/O

<b>Serial Port</b>	2 x DB9 (1 x RS-232/422/485, 1 x Debug Port)
<b>LAN Port</b>	1 x RJ-45
<b>Audio Port</b>	2 x 2W Speaker
<b>USB</b>	Host: 2 x Independent USB Interfaces (Type A) Client: 1 x Mini-USB Connector
<b>Switch</b>	1 x On/Off Power Switch
<b>Expansion Slots</b>	1 x SD Socket Support SDHC (eSDHC-2)
<b>Others</b>	1 x Reset Button

### Audio

<b>AC97 Codec</b>	Freescale SGTL5000
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### Ethernet

<b>LAN Chip</b>	On Chip MAC + PHY
<b>Ethernet Interface</b>	10/100 Base-Tx Fast Ethernet Compatible

### Mechanical & Environmental

<b>Color</b>	Front & Rear Panel Black
<b>Mounting</b>	Wall/Stand/VESA 100 mm X 100 mm
<b>Power Connector Type</b>	DC Power Jack
<b>Power Type</b>	AT, +12 Vdc/2A (24W)
<b>Operating Temperature</b>	0 ~ 40°C (32 ~ 104°F)
<b>Storage Temperature</b>	-20 ~ 60°C (-4 ~ 140°F)
<b>Operating Humidity</b>	0% ~ 90% Relative Humidity, Non-condensing
<b>Dimensions</b>	145.8mm x 117mm x 39.3mm
<b>Weight</b>	0.61kg



RityPOS

LPC Series

SPC Series

FPC Series

PPC Series

APC/BFC Series

UPC Series

MPC Series

OPM Series

AID Series

MTP Series

**RISC**

Accessory

## Ordering Information

FPC-05R1-M51-B1R  
5.7" SVGA TFT RISC Multifunctional Panel PC