



## FPC-08R1

### 8" SVGA TFT RISC Multifunctional Panel PC

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

#### + Spec

System	
Processor	Freescale i.MX51 Multimedia Processor
System Chipset	i.MX51
System Memory	1 X Onboard DDR2 512MB
I/O Chip	N/A
Watchdog Timer	time-out periods from 0.5 seconds up to 128 seconds
H/W Status Monitor	N/A
SBC	RSC-IMX51
Storage	
Storage	1 x On board 4GB eMMC
I/O	
USB	2 x USB 2.0 1 x Mini-USB Connector
COM Port	1 x RS232(Debug Port) 1 x RS-232/422/485
Other	2 x Speaker 1 x RJ-45 1 x On/Off Switch 1 x Reset button 1 x SD Socket Support SDHC (eSDHC-2)
Display	
Chipset	IMX51 (Supports optional dual display )
Resolution	HDMI: Max. resolution 720P @ 60Hz LVDS: Max. resolution 800x600 @ 60Hz
Audio	
Chipset	SGTL5000
Audio Interface	Speaker Out
Speaker Output	2 x 2W
Ethernet	
Chipset	1 x SMSC LAN8710A
Ethernet Interface	10/100 Base-Tx Fast compatible
LAN Port	1 x RJ-45
Mechanical & Environmental	
Power Requirement	12V
Power Type	DC Input
Operating Temp	0°C ~ 40°C (32°F ~ 104°F)
Storage Temp	-20°C ~ 60°C (-4°F ~ 140°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	1.9 Kg
Dimension (L x W x H)	192*150*42.2 mm
Vibration Test	With eMMC : 2Grms, IEC 60068-2-6, Random, 5 ~ 500Hz, 30min/axis
Shock Test	With eMMC : 10Grms, IEC 60068-2-29, Half Sine, 11ms
System Fan	Fanless
Construction - Front	Black
Construction - Rear	Black
Certifications	
Certification Information	CE FCC Class A
Software Support	
OS Information	Android 2.3.4 Ubuntu 10.04 WIN CE 6.0
Power Requirement	
Power Connector	Lockable DC Jack
Power Requirement	12V
Adapter	"Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A Adapter) AC-DC Adapter"
Panel	
LCD Size	8"
Display Type	SVGA



<b>Resolution</b>	800x600
<b>Pixel pitch</b>	0.0675mm (H) x 0.2025mm (V)
<b>Luminance</b>	250 cd/m <sup>2</sup>
<b>Contrast ratio</b>	200
<b>Viewing angle</b>	50 (U), 70 (D), 70 (L), 70 (R)
<b>Response time</b>	10 ms
<b>Backlight</b>	LED
<b>Touch Type</b>	4 Wires resistive
<b>Touch Light Transmission</b>	80 %
<b>Touch Controller</b>	MC13892

#### Ordering

FPC-08R1-M51-B1R  
8" SVGA 4-wire resistive RISC Panel PC with RSC-IMX51