

# FIT-1501

## 15.6" Cardio Console Panel PC

Preliminary



### Features

- Variable Fitness Panel Solution
- 15.6" LED Backlight Panel Display and Innovate Projective Capacitive Multi Touch
- Freescale ARM® Cortex-A8 1Ghz high performance processor, low power consumption
- Full HD 1080p video decode and HD 720p video encode hardware engine
- Supports Android Application Framework



### Introduction

FIT-1501 is a Cardio Console Entertainment Station; the 15.6" screen display has a friendly and innovative P-CAP multi touch interface, plus Android porting that supports a variety of workout programs. Flexible touch icons make the user interface instantly responsive.

RISC-based SOC gives a high performance advantage, but with low power requirements and a wide range of working temperatures. It supports wireless connection and TV tuner in DVB-T/ATSC modes; stereo speakers and phone jack provide for stimulating yet comfortable workouts.

The FIT-1501 is designed for easy device setup and convenient mounting in the final machine system.

Advantech DMS offers a broad scope of customized ID integration tailored to customer requirements, and provides add-on modules to accommodate a number of different peripherals.

### Product Highlights

- Freescale ARM® Cortex-A8 i.MX535 processor (1.0 GHz)
- P-CAP sensor integrates high transparency and high hardness
- Supports Android v2.3.4
- 802.11 b/g/n Wi-Fi, Bluetooth® wireless connectivity
- Hardware engine for Full HD 1080p video decode and HD 720p video encode
- 15.6" LED backlight display
- Support available for add-on modules:
  1. iPhone/iPOD USB connectivity
  2. USB accessory module connectivity
  3. Add on TV tuner
  4. 2<sup>nd</sup> display

### Specifications

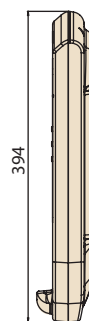
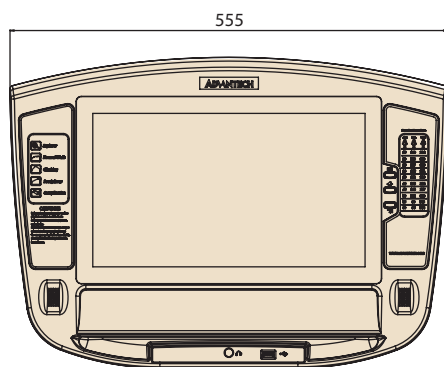
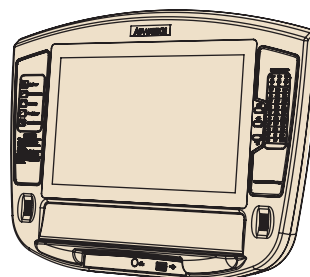
Physical Characteristics	Dimensions (W x H x D)	555 (W) x 394 (L) x 56 (D) (mm)
	Weight	Around 7.5 kg
	CPU	Freescale ARM® Cortex-A8 i.MX535 processor (1.0 GHz)
	Memory	On board 512 MB DDR3 and 2GB Flash
	RTC	Yes
	Watchdog	Yes
	Power management	Normal/ Idle / Suspend mode
	Operating System	Android version 2.3.4 Option: Linux 2.6 / WEC7
Cooling	Fanless	
Storage	SD slot 2 GB SD	
Display	Touch Panel	Projected Capacitive multi 5points touch Screen
	Display Type	15.6" LED Backlight 16:9 LCD Panel
	Max. Resolution	WVGA (1366 x 768 pixels)
Communication	WIFI	Wireless 802.11b/g/n connection
Audio		Earphone Jack x1; Speaker-out x 2

## Specifications Cont.

Connectivity	I/O Port Interfaces	Earphone Jack x 1 (Front) USB 2.0 port x 2 COM x 1 Lan RJ45 x 1 Power switch x 1 DC-in x 1 VGA x 1 iPOD/iPhone USB connectivity...optional
Control Buttons	Virtual Key (Android touch)	Home Button Menu Button Back Button
System Indicators		Power x1, SD x1
Power Supply	AC Adapter	ADAPTER 100-240V 90W 19V 4.74A
Other Options	Add-on modules	WiFi module/LAN connection Integrated TV on Console, TV tuner with AV in Bottom Motor Board connection & communication Blower or Fan Brightness Dimming Sensor iPhone docking iPOD charging Emergency stop Heart Rate Detect Module 2 <sup>nd</sup> Display
Environment	Temperature	Operating: 0°C ~ +45°C, Storage: -20°C ~ +60°C
	Humidity	Operating: 10% ~ 95% @ 40°C non-condensing, Storage: 10% ~ 95% @ 40°C non-condensing
Standards	FCC Part 15 Class B, UL, CUL, CE, CB60950, RoHS; UL2054 (Based on customer requirements.)	

## Dimensions

Unit: mm [inch]



## Design & Manufacturing Services

### ▪ This product is for ODM only

ODM products are designed for customers with consistent order and specific design requirements. ODM products are subject to minimum annual order quantities and engineering charges. Evaluation units are available without such restrictions. Advantech has a dedicated project team to serve ODM customers.

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