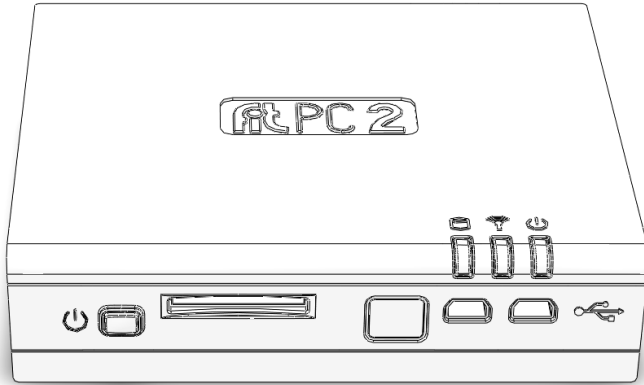




# fit-PC2 Owner's Manual



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21-Dec-2010

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For more information and to obtain the latest revision of this document, please visit

[www.fit-pc.com](http://www.fit-pc.com)

# Introduction

## Package contents

1. fit-PC2 computer
2. 12V DC power supply
3. AC cord with North American or localized standard plug
4. HDMI to DVI adapter
5. 3.5mm to RCA cable
6. 4 Rubber feet
7. WiFi antenna (in some models)

To use fit-PC2, you will need:

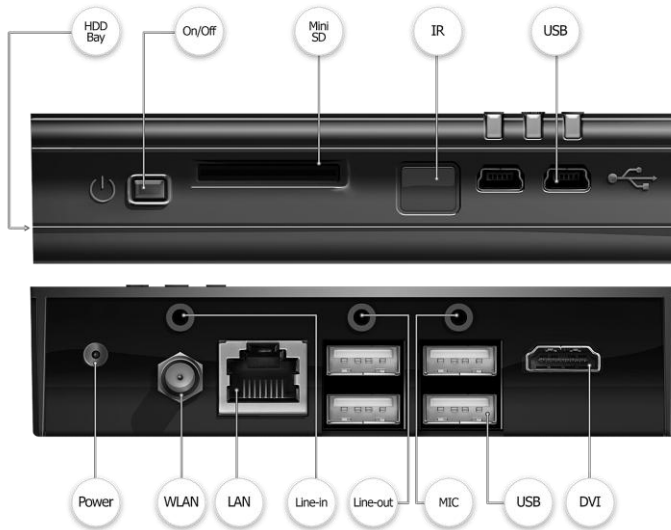
- A display with DVI or HDMI input + DVI or HDMI cable
- USB keyboard and mouse

## Hardware specifications

<b>CPU</b>	Intel Atom Z510/Z530
<b>Chipset</b>	Intel US15W
<b>RAM</b>	1GB DDR2-533
<b>Storage</b>	160GB Hard Disk
<b>Display</b>	DVI up to 1920x1200
<b>Audio</b>	S/PDIF 5.1 channels Stereo line-out, line-in / mic
<b>WiFi</b>	802.11b/g
<b>Ethernet</b>	1000BaseT RJ45
<b>USB</b>	6 ports USB 2.0 Hi-Speed 480Mbps
<b>Power</b>	12V DC

<sup>\*</sup> Depending on model

# **fit-PC2 features**



## **USB**

There are 6 USB ports – 4 USB A ports on the back and 2 mini-USB on the front. All ports support High-speed USB 2.0 - 480 Mbps.

Ports on the back are upside down – note when connecting USB plugs.

**Note:** Front left port supports USB 2 only and not USB 1 – good for connecting a camera or a thumb drive, not for a keyboard or a mouse.

## **IR Receiver**

The IR receiver is compatible with any standard IR remote control (38KHz). A driver and utility are required to take advantage of IR functionality.

## **DVI**

Display interface is DVI-D over HDMI connector.

*To connect fit-PC2 to a DVI display*

Use the provided HDMI to DVI adapter. Use a DVI cable to connect the adapter to the display.

*To connect fit-PC2 to a flat-screen TV*

Use an HDMI cable between the HDMI connector and HDMI input of the TV.

Note: Audio should be connected separately.

## **miniSD**

The miniSD socket supports miniSD cards, including SDIO and SDHC.

## Audio

There are 3 standard 3.5mm jacks on the back.

From left to right:

- S/PDIF / Stereo line-in
- Stereo line-out
- Microphone

## LAN

fit-PC2 has 10/100/1000BaseT Ethernet using a standard RJ45 connector. Use a standard Ethernet cable to connect.

The connector has built-in LED's that are lit when a connection is detected.

## WLAN

A WLAN antenna is supplied in models with integrated WiFi and should be screwed into a standard SMA connector.

## Power button

fit-PC2 has a tactile power push-button. It is used for turning on/off the fit-PC and for standby/resume when supported by the operating system.

A push of at least 5 seconds will always turn off the fit-PC2.

## LED's

fit-PC2 has 3 indicator LED's.



From left to right –

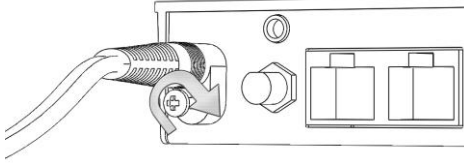
- HDD activity
- WLAN enabled / activity
- Power

# Quick start guide

## Connecting fit-PC2

- Turn off the display and connect it to the fit-PC2 HDMI connector (use the HDMI to DVI adapter if needed).
- Connect the USB keyboard and mouse to USB connectors.
- Plug the speakers into the line-out jack.
- Plug the Ethernet cable into the Ethernet connector.
- In fit-PC2 models with WiFi: Mount the WiFi Antenna on the SMA connector by turning it clockwise repeatedly until the antenna holds firm.
- Insert the DC plug into the fit-PC2 DC in jack.

- It is recommended to secure the power plug using the adjacent screw.



- Connect the power supply to the AC cord and plug the cord into AC outlet. The power LED should light up as the fit-PC2 boots.

## **Booting Linux (applies to fit-PC2 Linux)**

Linux loads automatically on power up.

Login:

Username: `fit`

Password: `111111`

## **Booting Windows 7 (applies to fit-PC2 Win7)**

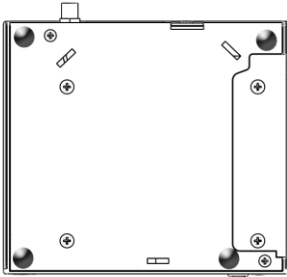
Upon first power-up, you will be guided through the Windows Welcome procedure which is self-explanatory. The Windows 7 serial number is printed on the Windows 7 label on the bottom of your fit-PC2.

## **Maintenance**

The fit-PC2 requires no maintenance. You should not take the fit-PC2 apart - this will void its warranty. The following operations can be conducted by the user:

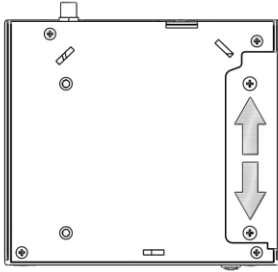
### **Affixing rubber feet**

You should stick the rubber feet to the bottom of the fit-PC2 to protect the supporting surface. Recommended rubber feet placement is shown below:

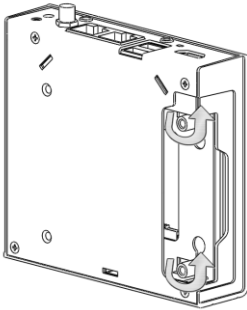


# **Installing Hard Disk**

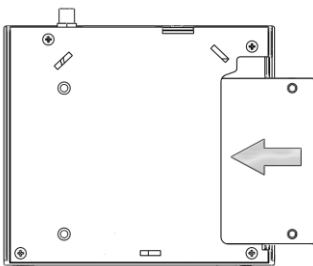
1. Open the two HDD screws on the HD door as indicated below and remove it.



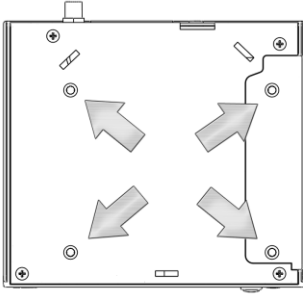
2. Release spacers using a 5.5mm nut-driver and remove with attached screw.



3. Slide-in HDD.

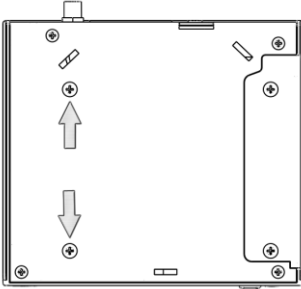


4. Tighten the four HDD screws indicated below.

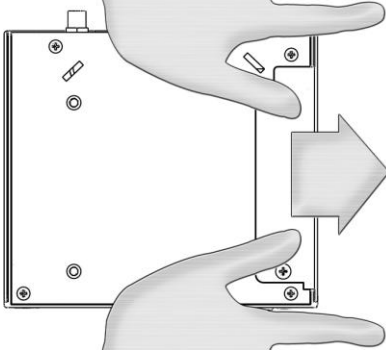


## Removing Hard Disk

1. Open the two HDD screws on base



2. Push out the HDD cover as indicated below. Hard disk will slide out.





# **BIOS Setup Utility**

## **Entering BIOS Setup Utility**

Turn off the fit-PC.

Turn on while holding down the F2 key.

## **Screen Layout**

Menu is on the top.

The left pane shows configuration items. When an item is highlighted, the right pane displays help for this item.

Navigation keys are detailed on the bottom.

## **Restoring BIOS Defaults**

Select Exit → Load Setup Defaults and Exit Saving Changes

## **Booting over LAN (PXE)**

Select Chipset Control Sub-Menu → Gigabit LAN → Enable

Select Chipset Control Sub-Menu → LAN PXE BOOT → Enable

Save settings and reboot

# **BIOS Setup Utility Sections**

## **Main**

- Setting date and time
- Large Disk Access Mode [DOS | Other] – select DOS for Windows XP and Linux
- Primary Master – hard disk identification. Usually automatically detects an installed hard disk
- Memory Cache – should be enabled
- BIOS Date – indicates when BIOS was generated, useful if you consider BIOS update

## **Advanced**

- Installed O/S – select WinXP for Windows and Linux
- Keyboard Features - standard keyboard settings
- Summary Screen – displays system configuration on boot
- QuickBoot mode – perform fewer tests during boot for a quicker boot
- Extended Memory Testing – choose whether to test all RAM during boot
- Watchdog Timer – enable or disable watchdog timer which reboots on hang
- Watchdog Timer Value [sec] – set watchdog delay (31 to 255 seconds)

## **Intel**

- CPU Control Sub-Menu - various CPU settings. The defaults provide the best performance and optimal power saving.
- Chipset Control Sub-Menu

- Audio – enable or disable audio
- SDIO – enable or disable SD socket
- Gigabit LAN – enable or disable Ethernet
- LAN PXE BOOT – if enabled, PXE boot over LAN will be attempted
- Video (Intel IGD) Control Sub-Menu
  - Graphic Memory Aperture Size – [256MB | 128MB] Select how much memory to allocate for graphics. Main memory available is reduced by the amount chosen.

## Security

This section allows the setting of:

- Supervisor password for protecting setup utility
- User password for protecting fit-PC2 boot

If you wish to clear a password, set a new, blank password.

## Boot

Select a boot sequence between the built-in HDD, USB thumb drive (USB key), USB CDROM, USB HDD, USB Floppy (FDC) and SD.

Booting over LAN (PXE) is enabled separately (see above).

## Exit

Standard options for saving/discarding BIOS changes or reloading BIOS defaults.

# **Warranty and RMA**

## **Warranty**

- CompuLab guarantees products against defects in workmanship and material for a period of 24 months from the date of shipment.
- Your sole remedy and CompuLab's sole liability shall be for CompuLab, at its sole discretion, to either repair or replace the defective product at no charge.
- This warranty is void if the product has been altered or damaged by accident, misuse or abuse.

## **RMA**

Keep the original package for shipping in case of hardware failure.

In case of HW failure of a fit-PC2 under warranty, please contact the seller of that fit- PC2.

Please provide the following required information:

- fit-PC2 serial number
- Name of purchaser
- Address
- Problem description

If the fit-PC2 was purchased directly from CompuLab, please email [rma@fit-pc.com](mailto:rma@fit-pc.com).

# **Tips for saving power**

## **General**

- Working without a connected display automatically disables the graphics controller – saving up to 20% power.
- Disconnect external USB devices when not in use.

## **In BIOS**

- Enable CPU C-States (Intel / CPU Control)
- If devices are unused – disable them (Intel / Chipset Control)
  - Audio
  - SDIO
  - Gigabit LAN

## **In Operating System**

Use power scheme as follows

- Turn off monitor after several minutes not in use
- Turn off hard disk after several minutes not in use
- System standby after an hour not in use



**fit-PC2**

**Manufacturer: CompuLab Ltd.**

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Statement

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (CompuLab Ltd.) could void the user's authority to operate the equipment.

Statement

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.