

# Project TezzaPutra

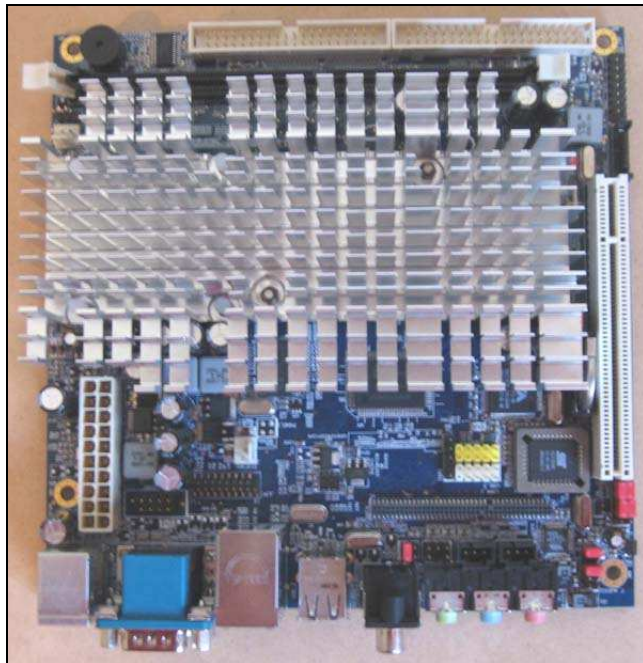
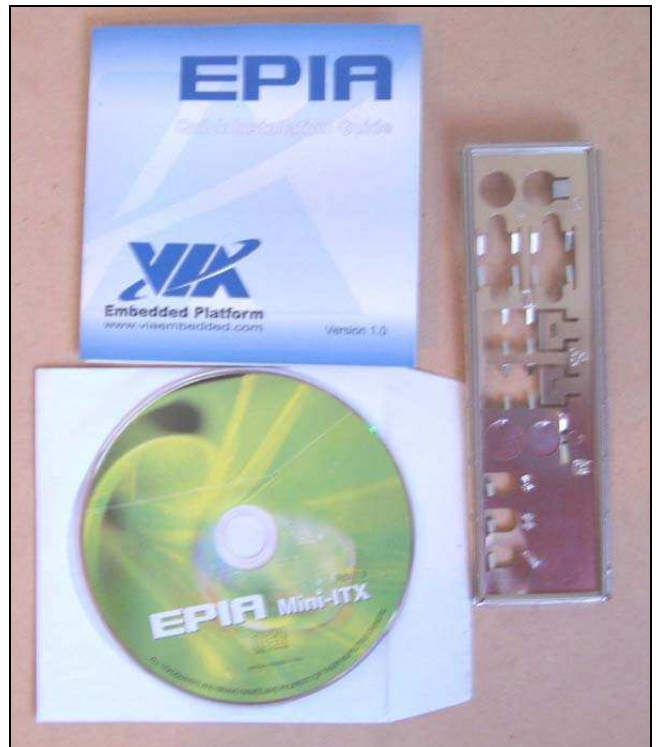
## B – PC Components

### 1 Document Revision History

Date	Description
2007, Jan 29	Created – Motherboard, Memory, Power Supply, IDE Adapter, Sound Blaster, Hard Disk
2007, Mar 12	Update – Rear Headrest Monitors
2007, Apr 4	Update – DVD ROM / CDRW Combo

### 2 Motherboard – Via Epia Mini-ITX EN12000EG

Website: [http://www.via.com.tw/en/products/mainboards/motherboards.jsp?motherboard\\_id=399](http://www.via.com.tw/en/products/mainboards/motherboards.jsp?motherboard_id=399)



# Project TezzaPutra

## B – PC Components

### 2.1 Motherboard Specifications

<b>Model Name</b>	• EPIA-EN15000G/ <b>EPIA-EN12000EG</b> (RoHS Compliant)
<b>Processor</b>	• 1.5GHz/ <b>1.2GHz</b> VIA C7 nanoBGA2 Processor
<b>Chipset</b>	• VIA CN700 North Bridge • VIA VT8237R Series South Bridge
<b>System Memory</b>	• 1 DDR2 400/533 DIMM Socket • Up to 1GB Memory Size
<b>VGA</b>	• Integrated VIA UniChrome™ Pro AGP Graphics with MPEG-2 Decoding Acceleration
<b>Expansion Slots</b>	• 1 PCI
<b>Onboard IDE</b>	• 2 UltraDMA 133/100/66 Connectors
<b>Onboard LAN</b>	• VIA VT6122 GLAN Controller
<b>Onboard Audio</b>	• VIA VT1618 AC'97 Codec with 6-channel Support
<b>Onboard TV Out</b>	• VIA VT1625M HDTV Encoder
<b>Onboard 1394</b>	• VIA VT6307S IEEE 1394 Firewire
<b>Back Panel I/O</b>	• 1 PS2 mouse port • 1 PS2 keyboard port • 1 Serial port • 1 VGA port • 1 RJ45 port • 4 USB 2.0 ports • 1 RCA port (S/PDIF or TV out) • 1 S-Video port • 3 Audio jacks: line-out, line-in and mic-in (Horizontal, Smart 5.1 Support)
<b>Onboard I/O Connectors</b>	• 1 USB connector for 2 additional USB 2.0 ports • 1 1394 connector for 1 1394 port • 2 SATA Connectors • 1 LPC connector • 1 Front-panel audio connector (Mic and Line Out) • 1 Serial port connector for a second com port • 1 CIR connector (Switchable for KB/MS) • 1 SIR pin header (IrDA 1.0) • 2 Fan connectors: CPU/Sys FAN • 1 SMBUS connector • 1 S/PDIF in connector • 1 S/PDIF out connector • 1 LVDS/TTL/DVI module connector (an add-on card is required) • 1 Component (YPbPr) video pin header • ATX Power connector
<b>BIOS</b>	• Award BIOS • LPC 4/8Mbit flash memory
<b>Operating System</b>	• Windows 2000/XP, Linux, Win CE/XPe
<b>Software Application</b>	• VIA FliteDeck™ Utility - MissionControl-H/W Monitoring, Remote SNMP Management - FlashPort-Live BIOS Flash - SysProbe-Live DMI Browser
<b>System Monitoring &amp; Management</b>	• CPU temperature reading, CPU voltage monitoring • Wake-on-LAN, Keyboard-Power-on, Timer-Power-on • Watch Dog Timer, FAN control • System power management, AC power failure recovery
<b>Operating Temperature</b>	• 0~50°C
<b>Operating Humidity</b>	• 0% ~ 95% (relative humidity; non-condensing)
<b>Form Factor</b>	• Mini-ITX (6 layers) • 17 cm x 17 cm

### 3 Memory – 512Mb



# Project TezzaPutta

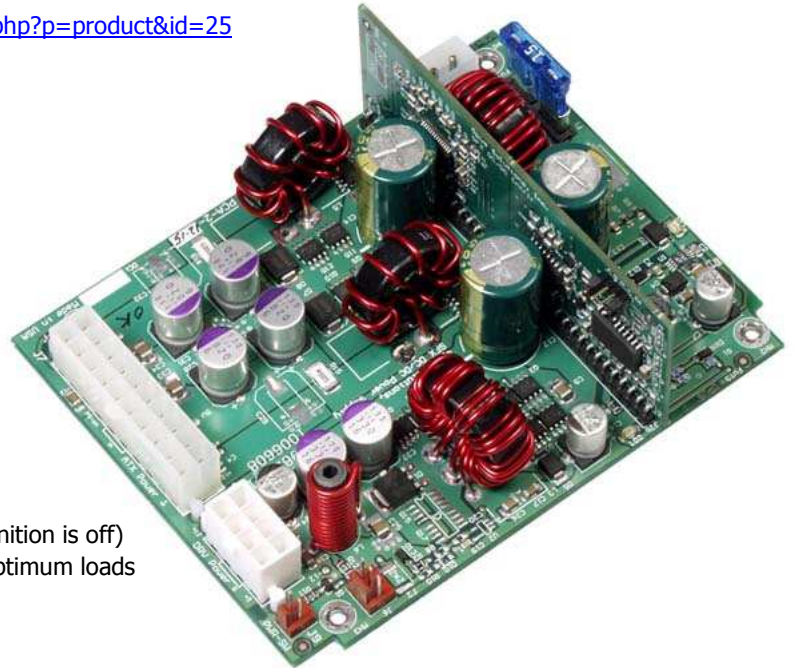
## B – PC Components

### 4 Power Supply – Opus 150 Watt DC-DC Converter

Website: <http://www.opussolutions.com/index.php?p=product&id=25>

#### Features

- 150 Watt output
- Wide input voltage
- Load dump protected
- High efficiency (extended battery life)
- Simple to install
- Built in auto shutdown
- Delayed shutdown timer
- On/Off power switch input



#### General

- Ignition or ON/OFF input current: <5 mA
- Wake on interrupt time: 20 minutes (while ignition is off)
- Power supplies overall efficiency: >90% at optimum loads
- MTBF: 250,000 hrs min.
- Operating temperature: -20°C to 65°C
- Input fuse: 15A ATO (automotive blade fuse)
- Cooling: Forced air or thermal coupling to heat sink for loads above 90W
- Shut Down Delay Time: 10sec. (Default), 20min, 40min or 60min (set by Jumper)
- External Dimensions DC-DC PCB Module dimensions: 96mm x 123mm x 37mm (3.75" x 4.85" x 1.45" )

### 5 Creative Sound Blaster Extigy (USB)

Website: <http://www.techwatch.com.au/articles/creative-extigy-launch/>

Not too sure if I'll end up using this or not. We'll see I guess.



# Project TezzaPutra

## B – PC Components

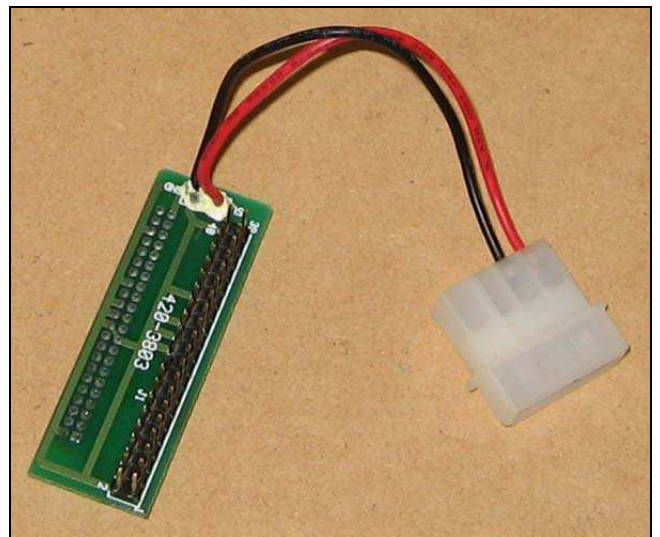
### 6 Hard Disk – Seagate 200Gb SATA

This will be partitioned 30Gb (for Operating System) / 170Gb (Data/Files)



### 2.5" to 3.5" IDE Adapter

Probably won't be used now that I've decided to go with a 3.5 Hard Disk.



### 7 Sony Slim DVD ROM / CDRW Combo (Model CRX830E)

Website: [http://reviews.cnet.com/Sony\\_CRX\\_830E\\_CD\\_RW\\_DVD\\_ROM\\_combo\\_drive\\_IDE/4505-3207\\_7-31477272.html](http://reviews.cnet.com/Sony_CRX_830E_CD_RW_DVD_ROM_combo_drive_IDE/4505-3207_7-31477272.html)



8x DVD / 24x CD

# Project TezzaPutra

## B – PC Components

### 8 Rear Headrest Monitors

These were purchased from Hong Kong via Ebay from Eonon (website: <http://www.eonon.com/>)

