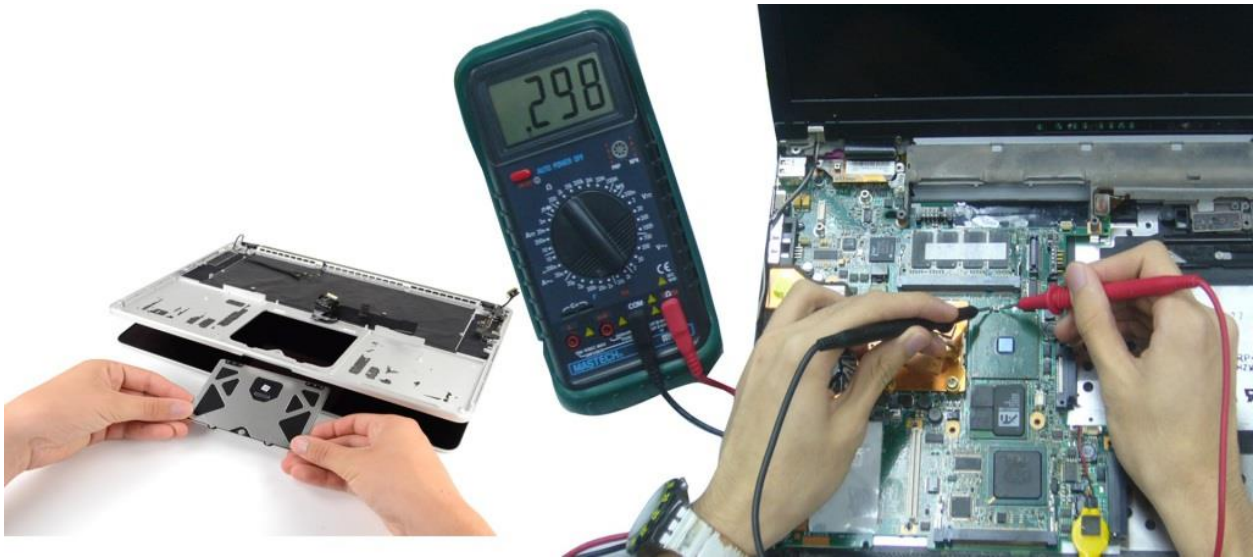




## LAPTOP AND DESKTOP SERVICES

# Learn Laptop Motherboard Repair From The Company Experts only



## Different levels of motherboard component level repairs

For Example

**Level 1** - DC Jack/Fuse Replacement

**Level 2** - Power IC Replacement (6-12 pin ICs)

**Level 3** - Controller IC Replacement (200-400 pin ICs)

**Level 4** - BGA Rework Reflow (Northbridge / Southbridge / Graphics Chips)

**Level 5** - BGA Reballing

## MODULE 1: COMPUTER HARDWARE

- ✓ Assemble & Dismantle of Laptop & Desktop
- ✓ Identifying the Hardware parts

- ✓ Troubleshooting Hardware Components
- ✓ Processor Generation
- ✓ RAM Types
- ✓ HDD Types
- ✓ Motherboard Architecture
- ✓ SMPS types & watts
- ✓ Operating system installation & repair
- ✓ HDD partition
- ✓ Recovery OS password
- ✓ Driver and Software Installation

## **MODULE 2: BASIC ELECTRONICS**

- ✓ Electronics Components used in Laptop, Desktop, SMPS & Adapter
- ✓ About Current
- ✓ Resistor
- ✓ Capacitor
- ✓ Diode
- ✓ Transistor
- ✓ Inductor
- ✓ Crystal
- ✓ IC's
- ✓ Fuse
- ✓ Opto - coupler
- ✓ Applications, working principle and trouble shooting
- ✓ SMPS Repair
- ✓ Transformer
- ✓ Bridge Rectification

## **MODULE 3: DESKTOP CHIP LEVEL**

- ✓ Architecture of Motherboard (all models)
- ✓ SMPS pin details
- ✓ RTC
- ✓ BIOS

- ✓ Clock Generator
- ✓ RAM section
- ✓ CPU section
- ✓ North Bridge
- ✓ South Bridge
- ✓ Embedded Controller
- ✓ PCI (Peripheral Component Interface)
- ✓ IDE (Integrated Drive Electronics and SATA)
- ✓ LAN
- ✓ Audio
- ✓ AGP
- ✓ USB
- ✓ PS/2
- ✓ We train the all above topics Application's, Pin details, Working principles, Voltage tracing and fault finding

#### **MODULE 4: LAPTOP CHIP LEVEL**

- ✓ Electronics Components used in Laptop, Desktop, SMPS & Adapter
- ✓ About Current
- ✓ Resistor
- ✓ Capacitor
- ✓ Diode
- ✓ Transistor
- ✓ Inductor
- ✓ Crystal
- ✓ IC's
- ✓ Fuse
- ✓ Opto - coupler
- ✓ Applications, working principle and trouble shooting
- ✓ SMPS Repair
- ✓ Transformer
- ✓ Bridge Rectification



# REPAIRS

- You'll discover how to troubleshoot & repair Laptop/Motherboard
- The Best Way To Take A Laptop Apart
- Tools and Test Equipments
- Schematic Diagrams
- How To Fit/Install Laptop Hard Drives You'll discover....
- Integrated Circuits
- Advance chip-level Laptop Motherboard repair
- IC Chip Soldering & Desoldering
- Motherboard Overview: Main Signals of Motherboard And How motherboards Work with Different ic
- Motherboard Ic Chip Components
- Common Problem Of Different Motherboards
- 5 Steps to Hacking Dell D600 Bios Password
- Connector Socket Basic problems ,circuit diagram,& repairing steps
- Problems & Solutions



**Note:**

**Less Theory, More Practical's**

**Get Trained For Your Future Today**

**Open the door to an illustrious career**

**Join now and unlock your technical hurdles**