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**Assignment 03**

Multi On Board Lap Top

I have an idea about a new lap top mode with new features. It can be named as “Multi On Board Lap Top” because this has multi purposes on board.

Normally, existing best lap tops have many features. They are 2GB hard drive; operating system (OS) with Windows 8, Inter core i7 processor and 16GB RAM (Random Access Memory). And also, their display size is 15.6inches (LED), 1366 x 768 pixel. Likewise they have some ports as HDMI, USB 3.0, SATA, Wireless LAN, Ethernet and Multi Card Slot. As well as, this has ISM band width 2.485GHz Bluetooth, 21MPixel camera, REALTEK audio sound card, NVIDIA (2.5GB) graphic card and 4cells, 5hours, 65W battery. This weight is 2.6kg.

As my new idea, Multi On Board Lap Top has some special features other than existing best lap top. One of them is that it has a printer and a scanner and it has an on board dongle with 5G facility with on board ADSL line. Likewise the other main feature is the charging system, using solar system and saving energy.

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| ***Exciting Features of a Normal Laptop*** | | ***New Added Features of a Multi On Board Lap Top*** |
| Hard Drive | 2 GB | **On Board Printer**  resolution 1200 x 600  2 color pages per minute |
| OS | Windows 8 |
| Processor | Intel Core i7 | **On Board Scanner**  4 pages per minute |
| RAM | 16GB |
| **On Board Dongle**  maximum of 100Mbps  3G/4G/5G  Micro SIM (2FF/3FF)  Nano SIM (4FF) |
| Display Size | 15.6 inches (LED)  1366 x 768 Pixel |
| Ports | HDMI / USB 3.0 / SATA / Wireless LAN / Ethernet / Multi Card Slot |
| **On Board Wi-Fi Router with ADSL**  RJ-11 Port |
| **Wireless Charging Plate**   * 2.5 mm Charging Connector   300mA |
| Bluetooth | ISM band width 2.485 GHz |
| Camera | 41 M Pixel |
| Sound Card | REALTEK Audio | **Screen Back Solar Charger**  Polycrsytalline Type |
| Graphic Card | NVIDIA (2.5 GB) |
| Battery | 4 cells/ 5 hours /65 W |
| Weight | 2.6 kg |

**On Board Printer / On Board Scanner**

With high resolution of 1200 x 600, the speed of 2 color pages per minute for printing and 4 pages per minute scanning are the main features of this Multi Lap Top. Only the maximum width of A4 paper can be used and can be inserted to the top of the lap top and by selecting the option, it will do the scanning and printing.

**On Board Dongle / On Board Wi-Fi Router with ADSL**

Maximum of 100 Mbps with 3G/4G/5G in the dongle which can insert any type of SIM is newly added feature of the Lap Top as on board. So there is no need to use a dongle. And also by using ADSL line with RJ-11 port, there is no need to use an Ethernet Port and simply the network can be done by using the ADSL telephone line and also this Lap top can used as Router.

**Wireless Charging Plate / Screen Back Solar Charger**

These are the two main factors of the charging system of this lap top. Simply the charging can be done by putting on the wireless charging plate, and also even if there is no source to charge the lap top, the front back screen solar plate will helps to charge the lap top in any time, where there is light.