

## 1. DESKTOP

Feature	Specifications
	AMD Phenom 9750( 2.4 GHz, 2MB L2 cache, 2MB L3 cache, 3600 MHz HyperTransport bus)/Intel Core 2 Duo E8400 Processor (3.0 GHz, 6 MB L2 cache, 1333 MHz FSB) or Higher
Chipset	Intel G31 Intel Chipset supporting 1333 MHz FSB/AMD 780V chipset or higher
Motherboard	Intel or OEM Motherboard
Memory	2 GB DDR2 (800MHz) & Non ECC Expandable to 4 GB
Hard Disk Drive & Controller	250GB SATA 3.0-Gb/s Hard Drive, 7200 RPM
Optical Drive	DVD Writer
Graphics	Intel Graphics Media Accelerator 3100 integrated graphics
Ethernet	Integrated Gigabit Network Connection
Bays	5 Bays: 2x 5.25 external, 2 x 3.5 external, 1 x 3.5 internal.
Slots	Minimum 4 Slots : 2 PCI, 1 PCI Express x1, 1 PCI Express x16
Ports	6 USB (4 rear + 2 front), 1 serial port, 2 PS/2 ports, 1 RJ-45, 1 VGA, 1 Audio in/out,
Form Factor	Micro ATX Tower
Power Supply	Minimum 250-watt power supply
Monitor	17" LCD monitor: Resolution : 1440 x 900 @ 75 Hz, Aspect ratio- 16:9
Keyboard	USB 104/107 keys mechanical keyboard
Mouse	USB 2 button optical scroll mouse
Software	Remote diagnostics, Back Up and Recovery software
Operating Systems	Pre Installed Microsoft Windows XP Pro SP2 with Vista Recovery CD or latest
Security	<ol style="list-style-type: none"> <li>1. Removable media boot control</li> <li>2. Serial, Parallel &amp; USB Interface Control</li> <li>3. Power-On Password</li> <li>4. Setup Password</li> </ol>
Compliance & Certification	For OEM : ISO 9001 : 2000, Energy Star 4.0 For PC : Win XP/Vista/DMI/Red hat certification For Monitor : TCO 03
Warranty	3 Years Comprehensive on site (3 Years Parts, 3 Years Labour and 3 Years On-Site Support)

## 2. SERVER (LOW END):

S. No	Item	Specifications
1	CPU	Intel Quad core Xeon X3210 (2.13G/8MB/1066MHz) Processor
2	Chipset	Intel 3200 Series
3	Memory	2GB DDR2 533/667 UNBUFF ECC Memory, max. upgradability upto 8 GB in 4 DIMM slots
4	DIMM Slots	Maximum up to 4 DIMM slots for upgradeability
5	PCI slots	1*PCI ,2 PCI-X, 2*PCI-e slots
6	Disk Drives	1 x 160GB SATA HDD, scalable up to max. 4 SATA HDDs
7	Disk Controller	Integrated 6 Port SATA Controller
8	Ethernet Interface	Dual gigabit Ethernet controllers with teaming, load balancing and auto failover features
9	Ports	2 * PS/2, 2 * RJ-45, 1 * Serial port, 4 * USB, 1 * VGA
10	Keyboard	104 keys OEM
11	Mouse	OEM
12	Optical Drive	SATA DVD Writer
13	Power Supply	Non Redundant Power Supply
14	Form Factor	Tower
15	OS Support	Windows 2003 (32 and 64 bit), Red Hat Linux 5.0 32 and 64 bit, Netware 6.5
16	Management Features	Server Deployment Assistant, Alert Notification through pop up , drive space and virtual memory size monitoring, Asset tracking for different components like CPU, memory, HDDs, motherboard, CPU Process utilization, Autonomous Hardware Event Logging, remote reboot and power off, Intel Active mgmt technology support, IPMI 2.0 features integrated with intelligent Baseboard Mgmt Controller.
17	Warranty	3 years Comprehensive on-site warranty (3 Years Parts, 3 Years Labour and 3 Years On-Site Support)

### 3. SERVER (HIGH END):

S.No	Components	Specifications
1	Processor	Intel Quad Core Xeon DP E5420 2.5G 1333 80W 12M support for Dual processors
2	Processor Cache	12 MB L2 Cache
3	Chipset	Intel 5000P
4	Memory	2 GB, 667 FBD (Fully Buffered DIMM) ECC; Quad channel Memory Bus; Memory Mirroring; Memory Sparing up gradable upto 32GB
5	Raid Controller	Integrated 8 port SAS RAID controller with 256 MB
6	Hard Disk Controller	8 Port SAS RAID Controller RAID 0, 1, 5, 10 & 50 support
7	Hard Disk Drive Storage	3* 146GB 15K RPM SAS HDD
8	Net Work Interface	Two integrated Intel® 82563EB Gigabit Ethernet controllers supporting Intel® I/O Acceleration Technology
9	PCI Slots	6 PCI Slots
10	Interfaces	Four PS/2 ports; Four USB ports; One serial port; One VGA port; One parallel port; Two network ports (RJ-45)
11	Graphics Controller	Integrated ATI video controller with 16MB of SDRAM
12	Power Supply & Fans	Redundant PSU with Support for PSU Management, RoHS
13	Form Factor	Tower
14	Manageability	Automatic Server Recovery to be supported
15	Server Manageability	Should support full remote management including outband.
16	Installation Software	Server Installation, Configuration and Software integrateion tool to enable reliable and consistent server deployment.
17	Security Features	Power on Password, Power status LED,HDD access LED,LAN activity LED,System status LED,Chassis intrusion alert,Lockable door
18	OS Support/ Certification	Microsoft Windows® 2000 Server; Microsoft Windows® Server 2003 Family; Microsoft Windows® Server 2003 Family x86_64; Red Hat® Enterprise Linux 4.0; Red Hat® Enterprise Linux 4.0 x86_64; Novell® NetWare® 6.5; SuSE® Linux Enterprise Server 9; SuSE® Linux Enterprise Server 9 EM64T
19	Monitor	17" TFT Monitor
20	Regulatory Compliance	Nemko CB/GS, UL, BSMI; FCC, CE, BSMI
21	Warranty	3 Years Comprehensive on-site Warranty (3 Years Parts, 3 Years Labour and 3 Years On-Site Support)

#### 4. LAPTOP SPECIFICATION – 14.1 inch

SI No	Description	Specification
1	Processor	Intel Core 2 Duo Processor P8400 2.26GHz, 3 MB L2 cache, 1066 MHz
2	Chipset	Intel GM45 Chipset
3	RAM	2GB DDR 2 RAM 667 MHz
4	Cache	3 MB L2 Cache
5	HDD	160 GB SATA
6	<b>Monitor</b>	<b>14.1" WXGA color TFT</b>
7	Ports	4*USB(v2.0), 1*PCMCIA Card slot, 1*VGA port, 1*RJ connector for Modem, 1*RJ45 connector for Ethernet,1*DC-in
8	Wireless Solution	Wireless LAN – Intel 3945ABG or better
9	Card Reader	Integrated 4 in 1 card reader
10	Bluetooth	Integrated Bluetooth
11	Webcam	Integrated Webcam
12	Modem	Integrated 56KBPS modem
13	Optical Drive	DVD super multi drive
14	Ethernet	10/100/1000 MBPS Lan
15	Operating System	Microsoft Windows XP preloaded with Windows Vista License
16	Battery	6 Cell Li-on battery up to 3.5 - 4.0 hours battery backup
17	Weight	< 2.5 Kgs
18	Warranty	3 Years comprehensive onsite warranty (3 Years Parts, 3 Years Labour and 3 Years On-Site Support)
19	Carry case	Carry case should be included

## 5. LAPTOP SPECIFICATION – 12.1 inch

SI No	Description	Specification
1	Processor	Intel Core 2 Duo Processor P8400 2.26GHz, 3 MB L2 cache, 1066 MHz
2	Chipset	Intel GM45 Chipset
3	RAM	1GB DDR 2 RAM667 MHz
4	Cache	3 MB L2 Cache
5	HDD	160 GB SATA
6	<b>Monitor</b>	<b>12.1" WXGA color TFT display (1280 x 800)</b>
7	Ports	3*USB(v2.0), 1*VGA port, 1*RJ 11 connector for Modem, 1*RJ45 connector for Ethernet, 1*DC-in, 1*PCI Express Card Slot, Inbuilt Dual Speaker, Integrated touchpad
8	Wireless Solution	Wireless LAN – Intel 3945ABG or better
9	Card Reader	Integrated 5 in 1 card reader
10	Bluetooth	Integrated Bluetooth
11	Webcam	Integrated Webcam
12	Modem	Integrated 56KBPS modem
13	Finger print reader	Integrated finger print reader
14	Optical Drive	DVD super multi drive
15	Ethernet	10/100/1000 MBPS LAN
16	Operating System	Microsoft Windows XP preloaded with Windows Vista License
17	Battery	8 Cell Li-ion battery up to 4.5 - 5.0 hours battery backup
18	Weight	< 2.3 Kgs
19	Warranty	3 Years comprehensive onsite warranty (3 Years Parts, 3 Years Labour and 3 Years On-Site Support)
20	Carry case	Carry case should be provided

## **6. Printers:**

### **a. Dot Matrix Printer:**

- i) 9 pin 80 column 300 cps at 12 cpi with one IEEE:1284 parallel port  
Warranty: 3 yrs. Comprehensive on site warranty
- ii) 24 Pins, 136 col., 360 cps at 12 cpi having one IEEE:1284 parallel port  
Warranty: 3 yrs. Comprehensive on site warranty
- iii) 24 Pins, 136 col., 400 cps at 10 cpi draft having one IEEE:1284 parallel port.  
Warranty: 3 yrs. Comprehensive on site warranty

### **b. Laser Printer :**

- i) Monochrome Resolution 600 x 600 dpi, A4 paper size,  
15 PPM or above or equivalent, 1 USB port compatible with Linux and Windows  
Warranty: 3 yrs. Comprehensive on site warranty
- ii) Monochrome Resolution 1200 x 1200 dpi, A4 paper size,  
19 PPM or above or equivalent, 1 USB port inbuilt duplexing and with  
network card 10/100 compatible with Linux and Windows  
Warranty: 3 yrs. Comprehensive on site warranty
- iii) Monochrome Resolution 600 x 600 dpi, A3 paper size- 15 PPM or above,  
30 PPM or above for A4 size, 1 USB port inbuilt duplexing and with  
network card 10/100 compatible with Linux and Windows  
Warranty: 3 yrs. Comprehensive on site warranty

## **7. Scanner:**

- i) 1200 x 1200 dpi, 48 bit colour, USB connectivity  
Warranty: 3 yrs. Comprehensive on site warranty
- ii) Scanner Flat bed A3 size  
600 x 600 dpi, 48 bit colour, USB connectivity  
speed less than 10 seconds or better.  
Warranty: 3 yrs. Comprehensive on site warranty

## **8. UPS – Line Interactive for single desktops systems**

- i) 600 VA with 30 Mts. Backup time, 12V 26 AH SMF battery  
Warranty: 3 yrs comprehensive warranty on site both for UPS and  
battery.
- ii) 500 VA with 30 Mts. Backup time, 12V 17 AH SMF battery  
Warranty: 3 yrs comprehensive warranty on site both for UPS and  
battery.

### 9. SPECIFICATIONS (20 CPM / 20CPM) OF MFDs (with Monochrome Scanning)

Sl. No	Feature Description	Specifications
1	Technology	Digital
2	Copy Speed (CPM)	20 CPM
3	Printer	Yes
4	Memory	64 MB
5	Scanner	Yes (Monochrome)
6	Scan File Formats	BMP, TIFF, PDF
7	Continuous Copy	999 Copies
8	Print Speed	20 PPM
9	Size	A3
10	Duplex Print / Copy	Yes
11	Paper Capacity (Trays)	2 * 250 Sheet Tray
12	Bypass Tray Capacity	100 Sheets
13	Total Paper Capacity	600 Sheets
14	Zoom Range	25 - 400 %
15	Electronic Sorting	YES (Shift Sorting)
16	Multi Shot Copying	Yes ( 2 in 1 & 4 in 1)
17	Warranty	1 year
18	Network Print Option	Yes (Optional)
19	Ports	1 USB port
20	Others	Edge Erase, Center Erase, Rotation Copy, Margin Shift, Auto Paper Selection

### 10. SPECIFICATIONS (20 CPM / 20CPM) OF MFDs (with Monochrome Scanning)

Sl. No	Feature Description	Specifications
1	Technology	Digital
2	Copy Speed (CPM)	20 CPM
3	Printer	Yes
4	Memory	64 MB
5	Scanner	Yes (Color)
6	Scan File Formats	BMP, TIFF, PDF
7	Continuous Copy	999 Copies
8	Print Speed	20 PPM
9	Size	A3
10	Duplex Print / Copy	Yes
11	Paper Capacity (Trays)	2 * 250 Sheet Tray
12	Bypass Tray Capacity	100 Sheets
13	Total Paper Capacity	600 Sheets
14	Zoom Range	25 - 400 %
15	Electronic Sorting	YES (Shift Sorting)
16	Multi Shot Copying	Yes ( 2 in 1 & 4 in 1)
17	Warranty	1 year
18	Network Print Option	Yes (Optional)
19	Ports	1 Parallel & 1 USB ports
20	Others	Edge Erase, Center Erase, Rotation Copy, Margin Shift, Auto Paper Selection

