

Government of Jamaica ICT Standards

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Standards Included:

PCs and Laptops
Multi-Functional Printers

Maintained by:
Central Information Technology Office
2nd Floor, PCJ Building
36 Trafalgar Road
Kingston 10
Jamaica W.I.

Title	Personal Computer Hardware
Type	Standard
Related Policy	Productivity Software Policy
Category	Hardware
Status	Approved
Approved	2008-10-10
Revised	2008-10-13
To Be Reviewed	2009-10-13
Scope	Applies to all personal computers purchased, owned, or maintained by the Government of Jamaica

Standard

Minimum Configurations for New Desktop Personal Computers

This configuration provides enough processing power for running the Windows Vista operating system, large spreadsheet development, word processing, PC database development, presentation graphics development, desktop publishing, etc. The PCs can support connection s network services such as file sharing, email, databases, etc. The minimum configuration is:

- o 1 GHz 32-bit (x86) or 64-bit (x64), or better, dual-core processor, for business-use (not those manufactured for the home user)
- o 2 GB RAM Minimum
- o 100 GB Hard Drive
- o Windows Vista Business Operating System Capable
- o 17" or larger flat panel monitor
- o DVD-ROM Drive
- o 10/100/1000 Base-T/TX PCI Network Interface Card
- o Video card with Windows Aero capable DirectX 9-class graphics processing unit (GPU) that supports a Windows Driver Display Model (WDDM) driver and Pixel Shader 2.0 and with 128 MB or more of memory
- o MUST include three (3) year on-site service maintenance agreement
- o Optional: Speakers, Headphones and Sound cards
- o Optional: 56k Fax/Modem
- o Optional: DVD-RW drive
- o Optional: 3.5" Floppy Drive

Recommended Brands: Hewlett Packard/Compaq, IBM/Lenovo, Dell

Minimum Configurations for New Notebook or Tablet PC's:

The minimum configuration is:

- o Intel Mobile 1 GHz 32-bit (X86) or better dual-core processor, for business-use laptops (not those manufactured for the home user)
- o 1 GB RAM Minimum
- o 80 GB Hard Drive
- o DVD-ROM drive (internal or external)
- o 100/1000Base T/TX Ethernet adapter
- o CCX-compliant 802.11b/g wireless network adapter (built-in preferred)
- o Windows Vista Business Operating System capable
- o One (1) Type II PCMCIA Card slot
- o Two (2) USB 2.0-compliant ports
- o Video card with Windows Aero capable DirectX 9-class graphics processing unit (GPU) that supports a Windows Driver Display Model (WDDM) driver and Pixel Shader 2.0 and has 128 MB or more of memory
- o Active color matrix display
- o Touchpad or pointing stick mouse
- o Internal speakers
- o MUST include three (3) year maintenance agreement
- o Optional: DVD-RW drive

- o Optional: 3.5" floppy disk drive
- o Optional: docking station/port replicators
- o Optional: desktop monitor
- o Optional: wireless keyboard and mouse

Recommended Brands: Hewlett-Packard/Compaq, Dell, Toshiba, Gateway, Lenovo, Panasonic (ruggedized models)

Recycled PC Minimum Requirements

A recycled PC (one that is passed on to another GoJ employee) MUST have the following minimums:

- o Windows XP Professional operating system
- o 1.0 GHz or faster processor
- o 512 MB RAM Minimum
- o 40 GB or larger Hard Drive
- o CD-ROM drive
- o DirectX 9 capable graphics processing unit (GPU) with WDDM driver
- o PCI 10/100-BaseT Network Interface
- o Two (2) USB 1.1-compliant ports
- o Recommended: DVD-ROM or DVD-RW drive
- o Recommended: 128 MB graphics memory
- o Optional: 3.5" floppy disk drive

Recycled Notebook PC Minimum Requirements:

Notebook PCs that need new or upgraded software or hardware upgrades must meet the following standards:

- o 1 GHz or faster processor
- o 512 MB RAM Minimum
- o 40 GB or larger Hard Drive
- o Windows XP Professional operating system (upgrade license may be purchased)
- o CD-ROM drive
- o One (1) Type II PCMCIA Card slot
- o One (1) USB 1.1-compliant port
- o Touchpad or pointing stick mouse
- o RJ-45 LAN Jack or PCMCIA Ethernet Card
- o Recommended: DVD-ROM or DVD-RW drive
- o Recommended: 128 MB graphics memory
- o Optional: 3.5" floppy disk drive

Rationale

These standards are intended to satisfy the requirements of conducting daily business in an efficient manner. Departments must recognize, specify, and justify the need for purchasing new platforms. Recycle standards change as new operating systems and application software require more processing power and/or hardware changes.

These standards provide the following benefits:

- o Achieve substantial savings in person-time support costs, over a period of time, by reducing the number of products that are supported.

- o Reduce training costs and facilitate staff transfers, by having the same hardware in use throughout the GoJ

- o Enable the GoJ to qualify for volume purchase discounts from major hardware and software vendors.

Title	Multi-Functional Printing Devices
Type	Standard
Related Policy	Personal Computer Hardware
Category	Hardware/Software
Status	Approved
Approved	2008-10-10
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Scope	This standard applies to any multi-functional device that may be connected to a GoJ network that provides any combination of printing, copying, faxing, and scanning.

Standard

The requested device will be evaluated on the following requirements from each category. A device will only be supported on the categories where it is approved.

Printing Requirements:

- Must have internal network connection using RJ45 connector
- Must have front control panel
- Must support centralised management
- Must support Auto Sensing and Auto Switching
- Must support IP
- May support IPX (both NDS and NDPS modes)
- May have NDPS gateway supplied with Novell Netware or available from vendor
- Must have internal color ripper (Color only)
- Must have two-sided print (duplex) feature installed (except plotters)
- Must support HP PCL 5 or higher
- May support Postscript Level 3 or higher
- May support HP GL/2 (required for GIS, otherwise optional)
- Must include embedded Web server
- Must have drivers available for download by the GoJ from the Web
- Must have drivers for Windows 2000, XP and Vista
- Must use the "Add Printer Wizard" for setup in Windows
- Must use Standard TCP/IP port for connection on Windows 2000, XP and Vista
- Must have support for Unix/Linux (CUPS) systems
- Must have a minimum memory of 32M bytes
- May have a minimum on-board disk space of 2G bytes

Scanning Requirements:

- Must use SMTP protocol for e-mail image transport
- Must use LDAP for e-mail addressing

Faxing Requirements:

- Must be option on printer driver for network fax, else walk-up fax only
- Must use analog port

Multi-function Requirements (copying/printing/scanning/faxing):

- Printing function must meet Printing Requirements above
- Scanning function must meet Scanning Requirements above
- Faxing function must meet Faxing Requirements above

Maintenance and Support Requirements:

- Three-years on-site maintenance and support from the vendor