

George Brown College

Policies & Procedures for Purchasing ITS Equipment

Overview

This document was designed to outline the policies and procedures for purchasing computer equipment, cellular phones, projectors, and BlackBerries at George Brown College.

In this document you will find:

- Pricing for all college standard computer equipment
- Procedures for purchasing equipment
- E-Waste Disposal (recycling) information

College Standard Equipment

College standard equipment includes all computer related equipment that has been approved by the CIO. Each item has been researched, tested, and customized to fit the College's needs.

Below you will find pricing for each piece of standardized College equipment. Should you require something that is not on the list, please contact the Asset Management Analyst, Client Services, Prinay Mistri: pmistri@georgebrown.ca or x6455.

Please allow 3 - 4 weeks, from the date Finance has approved and processed the purchase order, for delivery of all computer related equipment. Apple products may take longer in delivery dependant upon stock. For more information on your Apple delivery, please contact Michael Trillanes at the GBC Computer Store (www.gbccomputerstore.com).



NEW! Updates: **E-Waste Recycling Policy**

George Brown is committed to the disposal of all computer equipment in an environmentally friendly manner. If you have ANY old/obsolete hardware to recycle, please email facilities management at your respective location (Casa Loma or St. James).

Please note that ITS no longer stores e-waste for annual collection purposes. The Green Team has indicated that all departments are responsible for their own storage of obsolete assets until the allocated annual collection times (for which your department will be notified by email by the Green Team).

Equipment Renewal

Each GBC department budgets for the renewal of computer equipment for staff members. ITS is allocated a budget from Finance for the renewal of equipment for the labs and classrooms only. Therefore, if your computer is obsolete, please request a replacement computer from your departmental manager.

E-PEAT & the Environment:

E-Peat and Environmentally Friendly IT Solutions at George Brown College

George Brown is committed to the environment by offering award winning environmentally friendly IT products. Please click on the 'IT Services & the Environment' seal at the top corner of any page within this document for more information on how GBC is committed to reducing paper waste and energy consumption by purchasing computer equipment based on their environmental attributes.

* If you have any e-waste to dispose of, please contact facilities management at your respective location.

Office Use Standard

Dell Optiplex 9020 All-in-one OR

Dell Optiplex 9020 Small Form Factor

Office use standard desktop computers are to be purchased for all faculty, administration, and support staff (more information at the end of this document).

The Optiplex 9020 provides maximum performance and scalability for the College's needs (See detailed specifications at the end of this document).

Notes:

The All-in-one contains the computer and display in one piece of hardware. The small form factor is its own chassis, and optional purchases include 1 or more external monitors (available on the standard monitors page in this booklet). For either model, external speakers are NOT included.

All-in-one Basic Specifications:

- Processor (CPU): Intel® Core i5-4670S 3.1GHz, 6MB Cache
- Memory (RAM): 8.0GB, Non-ECC, 1600Mhz DDR3
- Hard Drive: 500GB SATA, 3.0GB/s, 16MB DataBurst Cache
- Video Card: Integrated HD Graphics
- 8X DVD+/-RW slim optical drive
- Display: 23" WLED Full HD All-in-one display

Small Form Factor Basic Specifications:

- Same base specifications as the All-in-one above except for the following:
- Processor (CPU): Intel® Core i5-4570 3.2GHz, 6MB Cache
- Video Card: AMD RadeonHD 8570 1GB DDR3 graphics card
- This desktop supports dual monitors (dual display cable IS included)



Ready to buy?

Purchase Pricing:

Optiplex 9020 All-in-one (seen at top): \$1,233.75 (includes Ontario Provincial eco. fees) plus applicable taxes. Quote #: 57963521

Optiplex 9020 Small Form Factor (seen at bottom): \$1,014.50 (Includes Ontario Provincial eco. fees) plus applicable taxes. Quote #57964367

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Labs Standard PC Dell Precision T1700

Labs Standard Desktops are to be purchased solely for classroom and lab environments within the College. Note these cannot be ordered for business use offices. **If your lab or classroom environment has processor/performance needs beyond the Precision T1700, please obtain a written approval from interim Client Services Manager, Frank Rosa (frosa@georgebrown.ca).**

The Precision T1700 provides maximum performance and scalability for the College's classroom and lab environments (See detailed specifications at the end of this document).

Notes:

Included peripherals are mouse and keyboard only. The Precision T1700 contains an internal speaker. External speakers are NOT included.

Basic Specifications:

- Processor (CPU): Intel® Core i5-4570 Quad Core 3.20GHz Turbo
- Memory (RAM): 8.0GB, Non-ECC, 1600Mhz DDR3
- Hard Drive: 500GB 3.5inch SATA HDD
- Video Card: 1.0GB nVidia K600 Graphics Card (support for dual monitors)
- 8X slimline DVD +/- RW optical drive
- Speakers are optional and may be purchased by your department through www.dell.ca (online)

Ready to buy?

Purchase Pricing:

Precision T1700: \$1,093.50 (includes Ontario Provincial eco. fees) plus applicable taxes. Quote #: 57963834

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Standard Monitors

Dell P1913S 19" LCD Monitor

All monitors throughout the College must be purchased. With height adjustment, every user can adjust this 19" LCD display to his/her exact comfort level and help reduce eye and neck strain. Specifications can be seen at the end of this document.



Dell P2213 22" Widescreen LCD Monitor

All monitors throughout the College must be purchased. With height adjustment, every user can adjust this 22" Widescreen LCD display to his/her exact comfort level and help reduce eye and neck strain. Specifications can be seen at the end of this document.



Ready to buy?

Purchase Pricing:

Dell P1913S 19" LCD: \$150.00 (includes Ontario Provincial eco fees) plus applicable taxes Quote #: 51984438

Dell P2213 22" Widescreen LCD: \$165.00 (includes Ontario Provincial eco fees) plus applicable taxes Quote #: 51984438

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Standard PC Ultrabooks (Ultra-light Laptops)

Laptop computers are to be purchased for all College administrative and support staff (more information at the end of this document).

Dell Latitude E7440 Ultrabook

The Latitude E7440 provides maximum performance and scalability for the College's needs. The lightweight Latitude E7440 weighs approx. 3.6 lbs, which allows for transportation when required, with the screen size and power of a complete desktop replacement (see specifications at the end of this document).

Basic Specifications:

- Processor (CPU): Intel® i5-4300U
- Memory (RAM): 8.0GB, Non-ECC, 1600Mhz DDR3
- Hard Drive: 500GB SATA 5400rpm
- Video Card: Integrated Intel® HD Graphics 4400
- Screen: 14.0" HD Anti-glare WLED Backlit 1366x768
- Integrated BlueTooth, Webcam, and Digital Mic.



Dell Latitude E7240 Ultrabook

The Latitude E7240 provides maximum performance and scalability for the College's needs. The Latitude E7240 is ultra-light at approx. 2.99 lbs, which allows for ultra-light and mobile transportation (see specifications at the end of this document).

Basic Specifications:

- Processor (CPU): Intel® Core i5-4300U
- Memory (RAM): 8.0GB, Non-ECC, 1600Mhz DDR3
- Hard Drive: 256GB solid state drive (flash based)
- Video Card: Integrated Intel HD Graphics 4400
- Screen: 12.5" HD Anti-glare LED Backlit 1366x768
- Integrated BlueTooth, Webcam, and Digital Mic.



Ready to buy?

Purchase Pricing:

Latitude E7440 (seen above): \$1,436.50 (includes Ontario Provincial eco. fees) plus applicable taxes. Quote #: 57964533

Latitude E7240 (seen below): \$1,591.50 (includes Ontario Provincial eco. fees) plus applicable taxes. Quote #: 57964635

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Docking Station E/Port Simple Port Replicator for Dell Latitude E-Series Laptops

This unit allows you to keep a secondary monitor, mouse, external keyboard, and other peripherals plugged in while your laptop is docked. Simply undock the laptop for mobility and leave the docking station at your desk. While docked, the unit will charge your E Series laptop (works on all standard E series laptops).

* Please note that if you are searching for a D Series port replicator, they have been discontinued by Dell.



Laptop Bag Alternates Targus Meridian Messenger Case

The Meridian Messenger Case from Targus® is designed to fit laptops up to 15.6" widescreens with large storage capacity in a stylish design. It padded compartment keeps your laptop safe during travel, while the durable nylon materials with signature weather mesh on the bottom of the case provides a stylish design element and shock absorption. Its featured front workstation includes a cell phone pocket, pen loops and multiple accessory media storage pockets for added convenience. The shoulder strap is comfortable, adjustable and uses metal hooks and D-rings. Additionally, it offers luggage strap which enables travelers to easily transport this case on top of rolling luggage. The premium soft twill lining throughout the case prevents valuables from being scratched and adds a quality feel.



Ready to buy?

Purchase Pricing:

Dell E-Series Docking Station: \$97.50 plus applicable taxes.
E-Quote #: 1004378912647

Targus Meridian Case: \$55.99 plus applicable taxes. Quote #48115654

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Standard Apple Mac Desktop and Laptops

Apple computers are to be purchased for all College administrative and support staff (more information at the end of this document).

Apple iMac 21.5" Office Use Standard

The Apple iMac is a 21.5 inch (diagonal) all-in-one Apple display and computer. Powerful enough for office use and available with dual operating systems (Mac OS/X and Windows 7).

Basic Specifications:

- Processor (CPU): Intel® Core i5 Quad-Core 2.7GHz
- Memory (RAM): 8.0GB
- Hard Drive: 1 Terabyte
- Video Card: 512MB nVidia GT640M
- Screen: 21.5" 1920x1080 resolution
- Integrated BlueTooth, Facetime HD camera, and Digital Mic.



Apple Macbook Pro The Desktop Replacement

The Apple Macbook Pro is a powerful desktop replacement laptop that is available with dual operating systems (Mac OS/X and Windows 7).

Basic Specifications:

- Processor (CPU): Intel® Core i7 2.0GHz
- Memory (RAM): 8.0GB, 1600Mhz
- Hard Drive: 256GB flash based storage
- Video Card: Intel Iris Pro Graphics
- Screen: 15.4" diagonal 2880x1800 resolution (Retina)
- Integrated BlueTooth, Facetime HD camera, and Digital Mic.
- Weight: approx. 4.46lbs



Ready to buy?

Purchase Pricing:

Apple iMac 21.5" (seen above): When creating your web requisition, please forward it to Michael Trillanes of the GBC Computer Store. Current price is \$1299.00 and approved model is "21.5-inch: 2.7Ghz"

Apple Macbook Pro (seen below): When creating your web requisition, please forward it to Michael Trillanes of the GBC Computer Store. Current price is \$1949.00 and approved model is "15-inch: 2.0Ghz with Retina display".

Apple Macbook Air Ultra-Light for Mobile Users & Tele-commuters

The Apple Macbook Air is an ultra-light, ultra-thin and powerful 13" laptop that is available with dual operating systems (Mac OS/X and Windows 7). It features a full sized backlit keyboard with ambient light sensors that adjust brightness in any environment. Its unibody design means lightness, fewer parts, and a notebook that's exceptionally thin at a thickness of only 0.68".

Basic Specifications:

- Processor (CPU): Intel® Core i5 Dual-Core 1.8GHz w/Turbo boost to 2.8GHz
- Memory (RAM): 4.0GB
- Hard Drive: 128GB Solid State Drive (New technology! Ultra quick!)
- Video Card: Intel HD Graphics 4000
- Screen size: 13.3" diagonal
- Integrated BlueTooth, Facetime HD camera, and Digital Mic.
- Up to 7 hour continuous battery life and up to 30 days on standby mode
- Weight: approx. 2.96lbs



Apple iPad Air

The Apple iPad Air is a 9.7" ultra-thin tablet featuring Apple iOS 7 and includes 16GB of flash memory, powerful quad-core 64-bit processing, and a 5MP iSight and Facetime cameras.

Basic Specifications:

- Processor (CPU): A7 64-bit chip with quad-core graphics
- Camera: 5MP iSight and FaceTime camera
- Video Card: Integrated Intel HD Graphics 4000
- Display: 9.7" diagonal Retina display
- 4G cellular: LTE and HSPA
- Weight: 1lb and thinner than a standard pencil
- iOS 7 Operating System



Ready to buy?

Purchase Pricing:

Apple Macbook Air 13" (seen above): When creating your web requisition, please forward it to Michael Trillanes of the GBC Computer Store. Current price is \$1049.00 and approved model is "13 inch: 128GB".

Apple iPad Air (seen below): When creating your web requisition, please forward it to Michael Trillanes of the GBC Computer Store. Current price is \$629.00 and approved model is "iPad Air 16GB Wi-Fi + Cellular".

Asus Transformer Pad Infinity (Android Tablet)

The Asus Transformer Pad Infinity Features:

Basic Specifications:

- Display: 10.1" (diagonal) WXGA (1920x1200) LED backlit Super IPS Panel
- 1GB DDR3L Flash memory and 32GB flash storage
- 3D Graphic Accelerator: nVidia Tegra 3 Quad-core CPU with 12 core GPU
- O/S: Google Android 4.0 (Ice Cream Sandwich)
- Keyboard: Detachable keyboard dock included
- Tablet Ports: micro SD, micro HDMI, 3.5mm audio jack
- Dock Ports: data sync 40pin to USB, USB 2.0, SD card reader

Ready to buy?

Purchase Pricing:

Asus Transformer Pad Infinity (Android Tablet): When creating your web requisition, please forward it to Michael Trillanes of the GBC Computer Store. Current price is \$499.99 and approved model is "Transformer Pad Infinity". Please visit www.gbccomputerstore.com



Standard Printer #1: Dell Multifunction Colour Laser C3765dnf Workgroup Colour Multi-Functional Printer (11-50 users)

Printers are to be purchased. All printer quotations must include a three year (minimum) service agreement. This is to ensure the proper maintenance and repair.

Basic Specifications:

- Multi-function colour laser printer for 11-50 users (office)
- Print, scan, copy, and fax
- Pages Per Minute (PPM): up to 36 (colour); 36 (black and white)
- Duplexer unit included (double sided printing)
- Comes with 2 trays standard
- Network ready



Duplexer!

Standard Printer #2: Dell Duplex Colour Laser C3760dn Workgroup Colour LaserJet Printer (11-50 users)

Printers are to be purchased. All printer quotations must include a three year (minimum) service agreement. This is to ensure the proper maintenance and repair.

Basic Specifications:

- Colour laser printer for 11-50 users (office)
- Pages Per Minute (PPM): up to 36 (colour + black and white)
- Duplexer included (double sided printing)
- Comes with 2 trays standard + duplexer
- Network ready



Duplexer!

Ready to buy?

Purchase Pricing:
(Includes 1-yr Next Business Day warranty; Excludes all taxes)

Dell C3765dnf: \$722.84; Quote #: 57449098

Dell C3760dn: \$498.34; Quote #: 57449226

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Standard Printer #3: Dell Laser B5460dn Workgroup Black & White LaserJet Printer (11-50 users)

Printers are to be purchased. All printer quotations must include a three year (minimum) service agreement. This is to ensure the proper maintenance and repair.

Basic Specifications:

- Black & White laser printer for 11-50 users (office)
- Pages Per Minute (PPM): up to 50
- Duplexer included (double sided printing)
- Comes with 2 trays standard
- Network ready



Standard Printer #4: Dell Colour Laser C2660dn Desktop Colour LaserJet Printer (2-5 users)

Printers are to be purchased. All printer quotations must include a three year (minimum) service agreement. This is to ensure the proper maintenance and repair.

Basic Specifications:

- Colour laser printer for 2-5 users (personal)
- Pages Per Minute (PPM): up to 28
- Duplexer included (double sided printing)
- Comes with 2 trays standard
- Network ready
- USB 'A > B' printer cable **included**



Ready to buy?

Purchase Pricing:
(Includes 1-yr Next Business Day warranty; Excludes all taxes)

Dell B5460dn: \$805.34; Quote #: 57449312

Dell 2660dn: \$295.34; Quote #: 57449471

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Looking for toner, waste cartridges, and supplies??**Simply use the quote numbers below in a webreq and specify the part # and its purchase price.****Dell C3765dn and Dell C3760dn (Quote #57449098)**

A6197752 - Dell 11,000-Page Black Toner Cartridge for Dell C3760N/ C3760DN/ C3765DNF Color Laser Printer \$155.99

A6197753 - Xerox 9000-Page Yellow Toner Cartridge for Dell C3760N/ C3760DN/ C3765DNF Color Laser Printer \$268.00

A6197754 - Xerox 9000-Page Magenta Toner Cartridge for Dell C3760N/ C3760DN/ C3765DNF Color Laser Printer \$268.00

A6197755 - Xerox 9000-Page Cyan Toner Cartridge for Dell C3760N/ C3760DN/ C3765DNF Color Laser Printer \$268.00

A6197756 - Xerox 50000-60000-Page Yield Imaging Drum Kit (contains all 4-colour cartridges necessary) for Dell C3760n/ C3760dn/ C3765dnf Color Laser Printers \$235.99

A6197757 - Xerox Toner Cartridge Waste Container for Dell C3760n/ C3760dn/ C3765dnf Color Laser Printers \$21.00

Dell B5460dn (Quote #57449312)

A6573008 - Dell Drum cartridge - 1 – 100,000 pages - for Laser Printer B5460DN - Use and Return \$40.99

Dell C2660dn (Quote #57449471)

A7310337 - DELL 6K BLACK C2660DN/C2665DNF TONER CARTRIDGE \$146.00

A7310345 - DELL 4K YELLOW C2660DN/C2665DNF TONER CARTRIDGE \$149.00

A7310347 - DELL 4K CYAN C2660DN/C2665DNF TONER CARTRIDGE \$149.00

A7310346 - DELL 4K MAGENTA C2660DN/C2665DN TONER CARTRIDGE \$149.00

331-8434 - 55000-60000-Page Yield Dell Imaging Drum (contains all 4-colour cartridges necessary) for Dell C2660/C2665/C3760/C3765 Printers \$149.00

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Standard Cellphones Rogers Wireless

All George Brown College cell phones are to be ordered through IT Client Services - after you have received approval from your Management, please forward approval to: Frank Rosa - frosa@georgebrown.ca. Please check with Gail Leonardo for current pricing and available models. You can reach Gail at x2709 or by email gleonardo@georgebrown.ca.

Standard BlackBerries Rogers Wireless

All George Brown College BlackBerries are to be ordered through IT Client Services - after you have received approval from your Management, please forward approval to: Frank Rosa - frosa@georgebrown.ca. Please check with Gail Leonardo for current pricing and available models. You can reach Gail at x2709 or by email gleonardo@georgebrown.ca.

Mobile Communication Devices: Policy and Procedures

Policy

Purpose

This policy will be used to define the standards, procedures, and restrictions for the compensation and use of mobile communication devices such as but not limited to cellular phones at George Brown College. Employees whose job duties include the frequent need for these devices may purchase the standard products outlined in this document. All employees using their own personal devices may submit business related expenses for individual reimbursement. These personal devices must comply with the technology supported by the College and outlined in this document.

Responsibility

The employee is responsible for the purchase, licensing, service plan, and maintenance of the device(s) and all associated accessories. Compensation of charges are for the specific purpose of supporting George Brown College business activities. Where applicable, all communication using these devices must adhere to copyright laws and other laws as well as the College's Code of Conduct.

Eligible Staff

Staff wishing compensation of their usage charges must go through an application process outlining the job related need and the specific level of service the employee is requesting. Consideration will be given to employees who are out of their office more than 50% of normal working hours or who are on call after hours and require phone and/or email access as a normal function of their position. Approval is required by the requestor's immediate supervisor, and the applicable Vice-President, prior to being submitted to IT.

Procedures

1. The dollar amount of the mobile device allowance should cover the employee's projected business related expenses. These expenses are the cost of basic equipment and the cost of the employee's monthly plan. The plan chosen should be the least expensive that provides adequate business related services. Upgrades to basic equipment (specialty cosmetic, technical features, etc.) or expected use unrelated to business cannot be considered. Determination of the dollar amount of the allowance is made at department level, and must be within the guidelines established under this policy.
2. The employee must retain an active contract as long as an allowance is in place. Because the device is owned personally by the employee and the allowance provided is taxable income, the employee may use the device for both business and personal purposes as required. The employee may, at his or her own expense, add extra services or equipment features as desired. Please note that the employee is responsible for addressing any service issues with the device with the service provider (Rogers) for Blackberries, iPhones, or Samsung hardware, or personal phone.
3. Detailed billing information must be provided to the approving supervisor for compensation.
4. All expenses relevant to George Brown College business access will be charged monthly to the applicable cost center. It is incumbent upon the budget holder to insure that the charges are relevant and fair as a bona fide charge to the College.
5. IT Services maintains the exclusive right to deny access without notice if they feel that the College's servers, data, or other users are at risk.

For additional or clarification of the cell phone reimbursement policy please contact Finance.

Standard Classroom Projector: NEC NP-PA500X

*Classroom ceiling-mounted use only.

Projectors are to be purchased and additional bulbs may be purchased. For more information, visit the manufacturer's link: www.necdisplay.com

The NEC NP-PA500X makes presenting easy since everything is automated.

Capture your audience's attention with this bright and bold projector. NEC's 5000-lumen PA500X is an advanced professional installation model that appeases corporate and higher education users. With integrated RJ45, high-speed wireless LAN and a multitude of simple-to-use asset management technologies, the PA500X helps users present seamlessly without worrying about their technology. The industry's first built-in stacking correction capabilities (up to four projectors) allows the projectors to boost an image's brightness up to 20,000 lumens, which is ideal for larger-sized screens and environments with heavy ambient light. This feature also prevents the complete loss of an image, which can happen when using only one projector.

Basic Specifications:

- Weight: 17 lbs
- Brightness: 5000 ANSI Lumens
- Lamp Life: 3000 hours (4000 in ECO mode)
- Contrast Ratio: 2000:1
- Compatible PC Resolutions: VGA, SVGA, XGA, SXGA, SXGA+, UXGA
- Maximum Resolution: UXGA 1600 x 1200
- Projection Distance: From 2.5 to 68.5 feet
- Screen size (diagonal): 25 to 500 inches
- Picture-in-Picture function (2 simultaneous inputs; sub-picture only supports video input)
- Eco Mode: Uses approximately 80% of normal brightness to lengthen usage of bulb by 50% and reduce power usage.

Ready to buy?

Registered owners receive a 3 year limited warranty including InstaCare on parts and one year limited warranty on labour. Visit www.necdisplay.com for full product specifications.

Purchase Pricing:

NEC NP-PA500X: \$2432.75 (includes \$20.00 shipping fee to GBC and \$2.75 federal government fee) + applicable taxes (HST) from RGB Audio Visual Inc.; Quote #: Q1107143-LA-02

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Standard Classroom Mid-Brightness Projector: NEC NP-P350W

*Classroom ceiling-mounted use only.

Projectors are to be purchased and additional bulbs may be purchased. For more information, visit the manufacturer's link: www.necdisplay.com

Give your presentations a boost in brightness with the NEC P350W, a wide-screen entry-grade professional installation projector loaded with eco-friendly and advanced technologies. Ideal for corporate boardrooms, higher education classrooms and government training rooms, this model delivers remarkable brightness (3500 lumens) and features built-in wall color correction, wired and wireless networking, closed captioning and up to 3500 hours of lamp life (in ECO Mode™). The P350W touts an active lens cover, which hides content, mutes audio and lowers lamp brightness to 25%, allowing you to maximize the effectiveness of your presentations.

Basic Specifications:

- Weight: 8.6 lbs
- Brightness: 3500 ANSI Lumens
- Lamp Life: 3000 hours (4000 in ECO mode)
- Contrast Ratio: 2000:1
- Compatible PC Resolutions: VGA, SVGA, XGA, SXGA, SXGA+, UXGA
- Maximum Resolution: UXGA 1600 x 1200
- Projection Distance: From 2.3 to 47.8 feet
- Screen size (diagonal): 25 to 300 inches
- Eco Mode: Uses approximately 80% of normal brightness to lengthen usage of bulb by 50% and reduce power usage.



Purchase Pricing:

NEC NP-P350W: Please contact the Asset Coordinator at x6455 for the latest quotation pricing.

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Standard Mobile in house mobility: NEC NP-M300X

*Mobile and Tele-commuter users should choose this option.

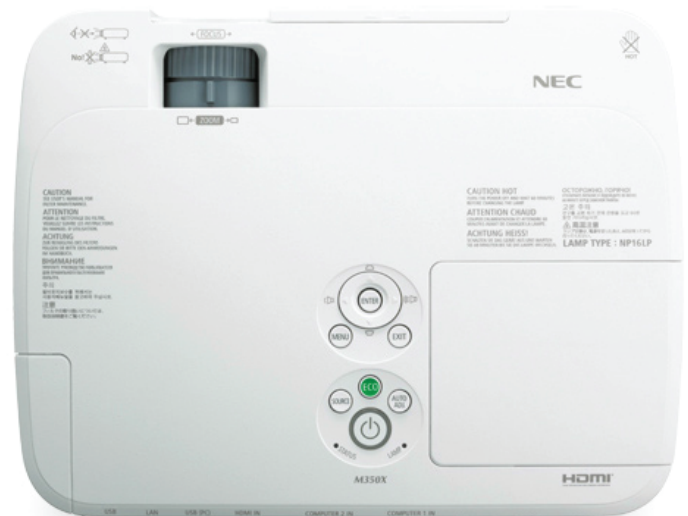
Projectors are to be purchased and additional bulbs may be purchased. For more information, visit the manufacturer's link: www.necdisplay.com

Easy to use and at the right price, NP Portable Series projectors provide all the essential features that you need to connect with your audience. *Portables are for meeting room/boardroom usage only.

Quick start-up lets you begin presenting in seconds. Automatic keystone correction technology instantly projects a square image even when the projector is set up at a steep offset angle to the screen. Autosense™ intuitively syncs the projector with most computer signals and features one-touch image optimization. One-touch source changes and complete menu control using the intuitive projector keypad. These units also house an integrated RJ45 connection for quick connection to the LAN (10/100 base-T capability)

Basic Specifications:

- Weight: 6.4lbs/2.9kg
- Brightness: 3000 ANSI Lumens
- Lamp Life: 5000 hours (6000 in ECO mode)
- Contrast Ratio: 2000:1
- Compatible Resolutions: PC: VGA, SVGA, XGA, SXGA, SXGA+, UXGA; Video: up to 1080p via HDMI
- HDMI Input
- Maximum Resolution: UXGA 1600 x 1200
- Eco Mode: Uses approximately 80% of normal brightness to lengthen usage of bulb and reduce power usage.



Ready to buy?

Registered owners receive a 3 year limited warranty including InstaCare on parts and one year limited warranty on labour. Visit www.necdisplay.com for full product specifications.

Purchase Pricing:

NEC NP-M300X: \$919.00 (includes \$20.00 shipping fee to GBC and \$2.75 federal government fee) + applicable taxes (HST) from RGB Audio Visual Inc.; Quote #: Q1101064-LA

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Standard Mobile Road Warrior: Dell M115HD

*Mobile and Tele-commuter users should choose this option if used for small room presentations

Projectors are to be purchased and bulb replacements is not required for this model. A limited initial year warranty is included.

An ultra portable palm-sized projector you can take on the road with you. Ideal for mobile users conducting business presentations in small rooms with minimal ambient lighting.

Take your show on the road using this ultra mobile personal projector. Compact and light enough to store in your laptop bag, it is designed to bring your most vibrant presentations to life with bright, crisp, high-resolution LED projection (1080p HD capable) and enhanced with built-in speakers. With its mercury-free LED technology capable of providing a lamp life of 30000 hours, there is no bulb replacement required.

Basic Specifications:

- Weight: 0.85lbs/0.39kg (1.5lbs/0.68kg w/ power adapter)
- Dimensions (W x D x H): 4.14" x 4.09" x 1.43" (105.3mm x 104mm x 36.5mm)
- Brightness: 450 ANSI Lumens
- Lamp Life: 30000 hours (Normal mode) of service and does not require LED/lamp/bulb replacement with its mercury-free LED technology
- Contrast Ratio: 10000:1
- HDMI Input: 480i/p, 576i/p, 720p, 1080p
- Projection Distance: 3.18 ft ~ 8.48 ft (0.97m ~ 2.58m)
- Maximum Resolution: WXGA 1280 x 800
- Connections: 1x24-pin universal connector (analog RGB) input, 1x 3.55mm stereo mini phone jack, USB, 1x Micro SD card slot, 1x HDMI 1.3(HDCP compliant)
- Built-in speakers
- Built-in Flash Memory (1 GB)



Ready to buy?

Purchase Pricing:

Dell M115HD: \$473.57 (includes Ontario Provincial eco. fees) plus applicable taxes. Quote #: 57350962

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The Basics of the Purchase Process

The purchase of any standard (computer-related) equipment can be done by obtaining a recent quotation from this standard document PDF, filling out an online requisition form and sending the signed and completed form to the Manager of Client Services (Frank Rosa x4046) for approval.

Upon approval, the order will be processed and you (the requisitioner) will receive an email copy of the purchase order.

If you would like a status on your order, please contact the Purchasing Department.

For all Apple related purchases, please visit the GBC Computer Store website at: www.gbccomputerstore.com

NOTE: For more information on technical specifications, pricing, and quotations, please contact the Asset Management Analyst, Client Services at x6455.

E-Peat and Environmentally Friendly IT Solutions at George Brown College

George Brown is committed to the environment by offering award winning environmentally friendly IT products. Our equipment has been awarded honours from EPEAT (the Electronic Product Assessment Tool) for points within several categories (visit www.epeat.net for criteria, scores, and status (bronze, silver, gold)).

- Reduction & elimination of environmentally sensitive materials
- Materials selection
- Design for end of life
- Product longevity and
- Life cycle extension
- Energy conservation
- End of life management
- Corporate performance
- Packaging



Printers

All four standard Dell laser printers offer duplex mode printing solutions for double sided printing, reducing paper waste that frequently occurs in educational environments. All Dell printers in this document are ENERGY STAR qualified units, maintaining efficient levels of energy consumption in both online and sleep modes. Click [HERE](#) for spec. sheet and more information.

Desktops & Laptops

The Dell Optiplex 9020 AIO and Small Form Factor versions have since June 2012 been awarded EPEAT GOLD and is ENERGY STAR 5.0 compliant.



The Dell Precision T1700 Mini-Tower has since April 2011 been awarded EPEAT GOLD individually and are both ENERGY STAR 5.0 compliant.



The Dell Latitude E7240 and E7440 have since May 2012 been awarded EPEAT GOLD. Both are ENERGY STAR 5.0 compliant.



Monitors

The Dell P190S 19" and P2213 22" LCD monitors have since August 2009 been awarded EPEAT GOLD.



Dell Optiplex 9020 SFF /AIO Office Use Standards

- Base Unit: OptiPlex 990 Small Form Factor
- Processor: Intel Core i5 processor at 3.2GHz (SFF), 3.1GHz (AIO), 6MB cache
- Operating System: Windows 7
- Memory: 8.0GB, Non-ECC, 1600MHz DDR3
- Video Card: AMD RadeonHD 8570 1GB (SFF); Intel integrated (AIO)
- Hard Drive: 500GB SATA 3.0Gb/s and 16MB DataBurst Cache
- Keyboard: Dell USB Keyboard, No Hot Keys, English, Black
- Mouse: Dell USB 2-Button Optical Mouse with Scroll, Black
- Audio: Internal chassis speaker included
- External Speakers: No Speakers included
- Removable Media Storage Device: 8x DVD+/-RW rewritable drive (SATA)
- Serial Port Adapter: None
- Lead Free Motherboard: RoHS Compliant Lead Free Chassis and Mother board
- Intel vPro technology enabled
- Hardware Support Services: 3 years limited warranty, plus 3 years Next Business Day Onsite Service

Dell Precision T1700 Labs Standard

- Base Unit: Precision T1700 Standard Base SFF
- Processor: Intel Core i5 4570 processor at 3.2GHz, 6MB cache
- Operating System: Windows 7
- Memory: 8.0GB, Non-ECC, 1600MHz DDR3
- Video Card: 1.0GB nVidia Quadro K600 Graphics, Dual Monitor DVI and DP
- Hard Drive: 500GB SATA 3.0Gb/s and 16MB DataBurst Cache
- Keyboard: Dell USB Keyboard, No Hot Keys, English, Black
- Mouse: Dell USB 2-Button Optical Mouse with Scroll, Black
- Audio: Internal Chassis Speaker Option included
- External Speakers: No Speakers included
- Removable Media Storage Device: 8X slimline DVD+/-RW
- Serial Port Adapter: None
- Lead Free Motherboard: RoHS Compliant Lead Free Chassis and Mother board
- Hardware Support Services: 3 years limited warranty, plus 3 years Next Business Day Onsite Service

Dell P1913S 19" LCD Standard Monitor

- Diagonal Size: 19"
- Depth: 21.9 cm
- Features: 100 mm VESA mount, height adjustable stand Included, slim black bezel
- Height (max): 49.2 cm
- Width: 41.0 cm
- Weight: 14.85 lbs (monitor + stand)
- Image Max H-View Angle: 170 degrees
- Image Max V-View Angle: 160 degrees
- Colour Support: 24 bit (16.7 Million colours)
- Device Type: TN (Twisted Nematic), anti-glare with hard coat; LED
- Response Time: 5ms (typical)
- Brightness: 250 cd/m² (typical)
- Image Contrast Ratio: 1000:1 (typical)
- Max Resolution: 1280x1024 at 60 Hz
- Port(s) Total (Free) / Connector Type: 4 x USB 2.0 Ports /analog/DVI-D connectors
- Signal Input: DVI-D or VGA
- Slot for security cable lock

Dell P2213 22" Widescreen LCD Standard Monitor

- Diagonal size: 22"
- Depth: 7.2 in (with stand)
- Height: 17.6 in
- Width: 20.3 in
- Weight: 16.25 lbs (monitor + stand)
- Image Max H-View Angle: 170 degrees
- Image Max V-View Angle: 160 degrees
- Max Resolution: 1920 x 1080 / 60Hz
- Device Type: TN (Twisted Nematic), anti-glare with hard coat; LED
- Response Time: 5 ms
- Brightness: 250 cd/m (typical)
- Image Contrast Ratio: 1000:1 (typical)
- Port(s) Total (Free) / Connector Type: 4x USB 2.0 Ports / Analog/DVI-D
- Signal Input: DVI-D, VGA, or DisplayPort (20 pin)
- Slot for security cable lock

Dell Latitude E7440 Ultrabook

- Base Unit: Latitude E7440 Laptop
- Processor: Intel™ Core i5-4300U
- Memory: 8.0GB, DDR3-1600Mhz SDRAM (2 DIMM)
- Hard Drive: 500GB SATA Drive 5400rpm
- Floppy Disk Drive: No Floppy Drive
- Operating System: Windows 7
- Touchpad Options: Standard Touchpad
- LCD: 14" HD (1366 x 768) anti-glare WLED backlit LCD display
- Internal Keyboard: Internal English Keyboard
- Graphics: Intel Integrated HD4400 Graphics
- Integrated webcam with single digital microphone
- External Keyboard: None
- Mouse: None
- Wireless: Intel Dual Band Wireless-AC 7260 802.11ac/a/b/g/n 2x2 + Bluetooth 4.0 LE Half Mini Card
- Bluetooth: internal
- 3x USB 3.0 ports (USB 2.0 compatible)
- 1x HDMI port
- 10/100/1000 Gigabit Internet (RJ45 port)
- Module Bay Devices: NO DVD DRIVE (additional accessory required)
- Batteries: 4 Cell/45 WHr Primary Battery
- Additional Batteries: None
- Carrying Cases: Dell Professional Lite 16" Business Case
- AC Adapter: 90W A/C Adapter (3' length)
- Hardware Support Services: 3 yrs Next Business Day Onsite and Complete care Warranty
- Weight: ~3.6 LBs
- Colour: Standard brushed aluminum Dell Tri-metal casing.

Dell Latitude E7240 Ultrabook

- Base Unit: Latitude E7240 Laptop
- Processor: Intel™ Core i5-4300U
- Memory: 8.0GB, DDR3-1600Mhz SDRAM (2 DIMM)
- Hard Drive: 256GB Solid State Drive (SSD)
- Floppy Disk Drive: No Floppy Drive
- Operating System: Windows 7
- Touchpad Options: Standard Touchpad
- LCD: 12.5" HD (1366 x 768) anti-glare LED backlit LCD display
- Internal Keyboard: Internal English Keyboard
- Graphics: Intel HD graphics 4400 (integrated)
- Integrated webcam with single digital microphone
- External Keyboard: None
- Mouse: None
- Wireless: Intel Dual Band Wireless-AC 7260 802.11ac/a/b/g/n 2x2 + Bluetooth 4.0 LE Half Mini Card
- Bluetooth: internal
- 3x USB 3.0 ports (USB 2.0 compatible)
- 1x HDMI port
- 10/100/1000 Gigabit Internet (RJ45 port)
- Module Bay Devices: NO DVD DRIVE (additional accessory required)
- Batteries: 4 Cell/42 WHr Primary Battery
- Carrying Cases: Nylon Deluxe Top Load Carrying Case (14.1")
- AC Adapter: 90W A/C Adapter (3' length)
- Hardware Support Services: 3 yrs Next Business Day Onsite and Complete care Warranty
- Weight: ~2.99 LBs
- Colour: Standard brushed aluminum Dell Tri-metal casing.

Apple iMac 21.5" Office Use Standard

• For complete and up-to date specifications on the Apple iMac 21.5" please visit the George Brown College Computer website link here:

<http://gbccomputerstore.com/>

Apple Macbook Pro Laptop

• For complete and up-to date specifications on the Apple Macbook Pro please visit the George Brown College Computer website link here:

<http://gbccomputerstore.com/>

Apple Macbook Air Laptop

• For complete and up-to date specifications on the Apple Macbook Air please visit the George Brown College Computer website link here:

<http://gbccomputerstore.com/>

Apple iPad Air with Wifi + Cellular

• For complete and up-to date specifications on the Apple iPad Air please visit the George Brown College Computer website link here:

<http://gbccomputerstore.com/>

Asus Transformer Pad Infinity

• For complete and up-to date specifications on the Asus Transformer Pad Infinity please visit the George Brown College Computer website link here:

<http://gbccomputerstore.com/>

Standard Printer #1: Dell Multifunction Colour Laser C3765dnf Workgroup Colour Multi-Functional Printer

- Ideal for: 11-50 users
- Print Speed: Up to 36 ppm (black and white); 36 ppm (colour)
- All in one functions: Print, copy, scan, fax
- Colour printing: Yes
- Print Resolution (colour): 600 x 600 dpi
- Monthly duty cycle: 80,000 pages
- Trays: 2 (150 sheet multipurpose tray and 550 sheet tray)
- Media sizes, standard: One 150-sheet multipurpose tray (paper sizes supported: A4, B5, A5, Letter, Executive, Folio (8.5"x13"), Legal, Envelope#106, Monarch, DL, C5; Custom size: 76.2 mm - 220 mm (W), 98.4 mm - 355.6mm (L) One 250-sheet drawer (paper sizes supported: A4, B5, A5, Letter, Executive, Folio (8.5"x13"), Legal)
- Media types: Plain paper (Light, Normal,Thick); Cover (Normal, Thick); Coated paper(Normal,Thick); Japanese coated Paper; Transparency; Label stock(Normal,Thick); Envelope6 ; Japanese Post Card; Recycled Paper
- Weight: 82 lbs
- Processor speed: 533 MHz
- Memory, standard: 512 MB
- Duplex Printing (double sided): Included
- Faxing: Yes
- Scanner Type: Flatbed
- Power consumption (watts): 460 watts (active); 108 watts (standby)
- ENERGY STAR Qualified: Yes
- Dimensions (W x D x H): 18.1 x 22.4 x 28.7 in

Standard Printer #2: Dell Duplex Colour Laser C3760dn Workgroup Colour LaserJet Printer

- Ideal for: 11-50 users
- Print Speed: Up to 36 ppm (colour + black and white)
- Colour printing: Yes
- Print Resolution (colour): 600 x 600 dpi
- Monthly duty cycle: 80,000 pages
- Trays: 2 (150 sheet multipurpose tray and 500 sheet drawer) + duplexer
- Media sizes, standard: One 150-sheet multipurpose tray (paper sizes supported: A4, B5, A5, Letter, Executive, Folio (8.5"x13"), Legal, Envelope#10; custom size: 3"-8.5" (W), 5"-14" (L)
One 500-sheet drawer (paper sizes supported: A4, B5, A5, Letter, Executive, Folio, Legal); custom size: 5.8"-8.5" (W), 8.3"-14" (L)
- Media types: Plain paper (Light, Normal,Thick); Coated paper(Normal, Thick); Label stock(Normal,Thick); Envelope ; Post Card; Recycled Paper
- Weight: 56.4 lbs
- Processor speed: 533 MHz
- Memory, standard: 256 MB
- Duplex Printing (double sided): Included
- Power consumption (watts): 705 watts (active); 76 watts (standby)
- ENERGY STAR Qualified: Yes
- Dimensions (W x D x H): 19 x 17.28 x 14.92 in

Standard Printer #3: Dell Laser B5460dn Workgroup Black & White LaserJet Printer

- Ideal for: 11-50 users
- Print Speed: Up to 63 ppm
- Colour printing: No
- Print Resolution (black): Up to 1200 x 1200 dpi
- Monthly duty cycle: 275,000 pages
- Trays: 2 (550 sheet and 100-sheet multipurpose tray)
- Media sizes, standard: A4 210 x 297 mm /(8.27 x 11.7 in.)
A5 148 x 210 mm /(5.83 x 8.27 in.)
A6 105 x 148 mm /(4.13 x 5.83 in.)
Executive 184 x 267 mm / (7.3 x 10.5 in.)
Folio 216 x 330 mm /(8.5 x 13 in.)
JIS B5 182 x 257 mm /(7.2 x 10.1 in.)
Legal 216 x 356 mm /(8.5 x 14 in.)
Letter 216 x 279 mm /(8.5 x 11 in.)
Oficio (Mexico) 216 x 340 mm /(8.5 x 13.4 in.)
Statement 140 x 216 mm /(5.5 x 8.5 in.)
Universal 105x148 mm/ (4.13x5.83 in.) up to 215.9 x 355.66 mm/ (8.5 x 14 in.)
B5 Envelope 176 x 250 mm/ (6.9 x 9.8 in.)
C5 Envelope 162 x 229 mm/ (6.4 x 9 in.)
DL Envelope 110 x 220 mm/ (4.3 x 8.7 in.)
7 3/4 Envelope (Monarch) 98 x 191 mm /(3.9 x 7.5 in.)
9 Envelope 98 x 225 mm /(3.9 x 8.9 in.)
10 Envelope 104 x 239 mm (4.1 x 9.5 in.)
Universal 70x127 mm/ (2.8x5 in.) up to 216 x 356 mm/ (8.5 x 14 in.) (only supported in standard output bin and Hi-Cap)
- Media types: Card stock,Labels,Plain Paper,Envelopes,Transparencies,Bond,Letterhead,Preprinted,Colored Paper,Custom,Light Paper,Heavy Paper,Rough/Cotton,Recycled
- Weight: 52.2 lbs
- Processor speed: Dual Core 800 MHz
- Memory, standard: 512 MB
- Duplex Printing (double sided): Included
- Power consumption (watts): 700 watts (active); 80 watts (standby)
- ENERGY STAR Qualified: Yes
- Dimensions (W x D x H): 20.2 x 16.7 x 16.3 in

Standard Printer #4: Dell Colour Laser C2660dn Desktop Colour LaserJet Printer

- Ideal for: 2-5 users
- Print Speed: Up to 28 ppm
- Colour printing: Yes
- Print Resolution (colour): Up to 600 x 600 dpi
- Monthly duty cycle: 50,000 pages
- Trays: 2 (150 sheet multipurpose tray and 250 sheet input tray)
- Media sizes, standard: Letter A Size (8.5 in x 11 in), Legal (8.5 in x 14 in), Executive (7.25 in x 10.5 in), A4 (8.25 in x 11.7 in), A5 (5.83 in x 8.25 in), B5 (6.93 in x 9.83 in), Folio (8.5 in x 13 in), C5 (6.38 in x 9 in)
- Media types: Envelopes, transparencies, labels, plain paper, coated paper, cover paper
- Weight: 56.4lbs
- Processor speed: 525 MHz
- Memory, standard: 512 MB
- Duplex Printing (double sided): Included
- Power consumption (watts): 445 watts (active); 18 watts (standby)
- ENERGY STAR Qualified: Yes
- Dimensions (W x D x H): 15.8 x 16 x 16.3 in

NOTE: The pricing, quotations, and formatting of this document have been updated as of December 2013.

1. Please visit Insite for an updated document (only viewable internally at George Brown College):

<https://insite.georgebrown.ca>

2. To create a web purchase requisition (FASTPORTAL), please visit the following link:

<http://fast.georgebrown.ca>

3. Please visit the link below for step-by-step detailed instructions on the purchasing system:

Millennium WebReq Purchase Order Request User's Guide