

KETTERING UNIVERSITY MULTIMEDIA COMPUTER CARTS
Information Technology - Electronic Systems
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IT CART 01 – Owned and scheduled by Supply
Completed February, 2004 , modified and upgraded July 2005



- Luxor AVJOH48MM steel multimedia cart with pneumatic wheels
 - Microwise Intel D865 Pentium 4 2.4Ghz computer, 1GB ram
 - Wireless networking
 - Sony 15" LCD monitor
 - GTCO Calcomp School Pad 300 USB digitizer
 - ELMO EV2000AF Visual Presenter
 - Sony VPL-CX6A projector
 - Sony SLV-D560P DVD/VCR Combo unit *
 - Extron MLS406SA A/V switcher with stereo audio amp *
- (* Equipment added during July 2005 upgrade)

This cart was constructed in February 2004, and upgraded in July 2005. The original configuration used pc hardware and software to provide video and audio source switching. The upgrade addition of the Extron MLS406SA A/V switch allows video and audio source selection from a convenient push button panel, instead of using a Windows based program to select inputs. The pc no longer has to be powered on to use the projector with the VCR, DVD or EMO Visual Presenter. The user selects the desired input using the labeled buttons on the Extron 406. Audio volume is controlled with a volume knob on the Extron 406. Projector input is selected via the input button on the remote control, or the projector top panel. The VCR was replaced with a combination DVD/VCR unit.

The GTCO Calcomp Schoolpad digitizer provides the ability to write or draw on the Windows desktop. A battery powered stylus is tethered to the Schoolpad.

IT CART 02 – Chemistry (Mott Center)
Completed July 2004



- Luxor AVJOH48MM steel multimedia cart with pneumatic wheels
- Microwise Intel D865 Pentium 4 2.8Ghz computer with 1 GB ram
- Wireless networking
- Smart Technologies ID-250 Sympodium Interactive Display
- ELMO EV2000AF Visual Presenter
- Sony VPL-CX6A projector
- Sony VCR

This cart is functionally the same as the *original* IT Cart 01 with the exception of the Smart Technologies ID-250 Interactive Display. The ID-250 replaces the LCD monitor and the Schoolpad digitizer, providing a device that allows the users to draw or annotate directly on the monitor screen with the attached stylus.

This cart uses the pc for video and audio switching. An ATI 9600 All in Wonder Pro video card with ATI Multimedia Center software allows switching between the TV tuner, composite input (VCR) and S-Video (ELMO presenter). Audio is supplied through a Sound Blaster Audigy 2 sound card powering 2 Altec Lansing speakers.

A separate VGA video switch is located on the shelf to the left of the VCR. This box switches video inputs between the cart mounted pc, and a cable that can be attached to a laptop or other external VGA device. An ATEN VS92A splitter sends video from the output of the video switch to both the LCD display and the projector.

This cart is located on the third floor of the Mott Center, and is used by the Chemistry Department.

IT CART 03 – IME

Completed September, 2004



- Luxor AVJ0H48MM steel multimedia cart with pneumatic wheels
- Microwise Intel D865 Pentium 4 2.8Ghz computer with 1 GB ram
- Wireless networking
- Smart Technologies ID-250 Sympodium Interactive Display
- ELMO EV2000AF Visual Presenter
- Sony VPL-CX70 projector
- Sony VCR

This cart is identical in operation to IT Cart 02. The only significant difference is the projector is a Sony VPL-CX70 (no memory stick reader), and a DVD / CD rom combo drive in the PC (no write capability).

This cart is operated by IME, and is usually based in room 1210AB.

IT CART 04- Liberal Studies
Completed May, 2005



- Luxor AVJ0H48MM steel multimedia cart with pneumatic wheels
- Microwise Intel D865 Pentium 4 3.0Ghz computer with 1 GB ram
- Wireless networking
- Smart Technologies ID-250 Sympodium Interactive Display
- ELMO EV2000AF Visual Presenter
- Sony VPL-CX70 projector
- Sony VCR/DVD combo deck
- Extron MLS406SA A/V switcher with stereo audio amp

This cart has the same audio video switching capability as the newly modified IT Cart 01. The audio and video is routed through the Extron 406 A/V switcher. The pc does not have to be powered on to use the projector with the VCR, DVD or EMO Visual Presenter. The user selects the desired input using the labeled buttons on the Extron 406. Audio volume is controlled with a volume knob on the Extron. Projector input is selected via the input button on the remote control, or the projector top panel.

The computer is no longer equipped with special video and audio cards, but is a standard KU desktop configuration, with a Cisco wireless network adapter installed.

This cart is located on the 4th floor of the AB, and is used primarily by Liberal Studies.

IT CART 05 – ECE

Completed May 2005



- Smart Technologies Expressions 503 Multimedia cabinet
- Smart Technologies ID-250 Symposium Interactive Display
- Microwise Intel D865 Pentium 4 3.0Ghz computer with wireless networking
- Sony VPL-CX70 projector
- Sony DVD/VCR combo deck

This cart has provisions for connecting an external laptop via connections on the desktop. Video source is selected via a button on the top control panel. VGA video is fed from the built in switch to a 1 in 4 out splitter, which feeds the Symposium display, the projector, and a video out connector on the left side control panel. The cart features a built in audio amplifier and speakers.

Video inputs to the projector are selected via the projector's remote control. The cart VGA video is connected to the projector computer input, the DVD is connected to the S-Video input, and the VCR is connected to the composite video input. All audio levels are controlled by the volume control on the top control panel of the cart.

This cart is based in ECE.