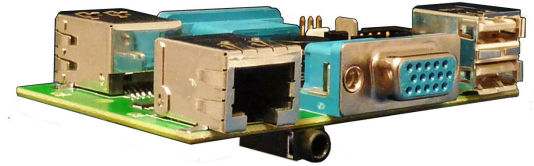
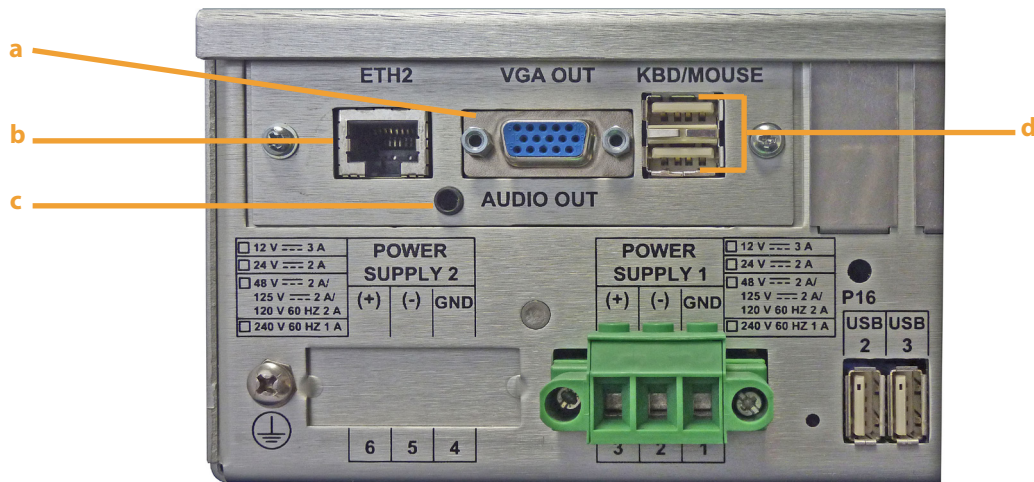


An optional Multimedia Board is now available on the OrionLX. This new expansion module includes the following ports:

- a. 15-pin D-Shell VGA port.** The VGA monitor is connected to this port which supports SXGA resolution of 1280 x 1024 or XGA resolution 1024 x 768.
- b. Third Ethernet port (ETH2).** Copper 100MB, with separate Network Interface Controller – independent of ETH0 and ETH1 - and able to be assigned a separate IP address.
- c. One audio port.** 3.50mm “headphone-style” connector (tip: left channel, ring: right channel, sleeve: ground) to drive most standard powered PC speaker sets. The OrionLX can be configured to send the five pre-programmed alarm sounds to a speaker(s) connected to this port.
- d. Two USB ports (USB4 and USB5).** Either these ports, or the other two ports on the back of the OrionLX (USB2 and USB3), can connect to a USB keyboard and USB mouse.



OrionLX Multimedia Board



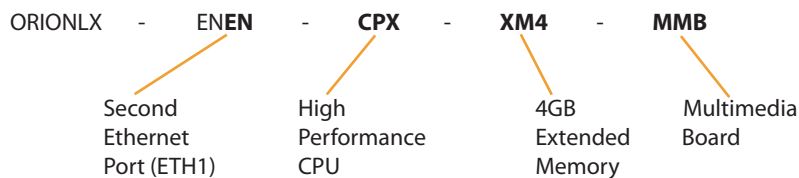
Rear view of OrionLX with Multimedia Board installed

Ordering:

The Multimedia Board (MMB option) can be ordered on any new OrionLX and forces two other OrionLX options:

- High Performance CPU (CPX) with associated 4GB Expanded Memory
- Second Ethernet port (ETH1)

The resulting part number:



Retrofit on Existing OrionLXs:

Both Multimedia Board and High Performance CPU can be factory retrofitted on existing OrionLXs. Please call BJ Weil at (913) 451-1880 for details.



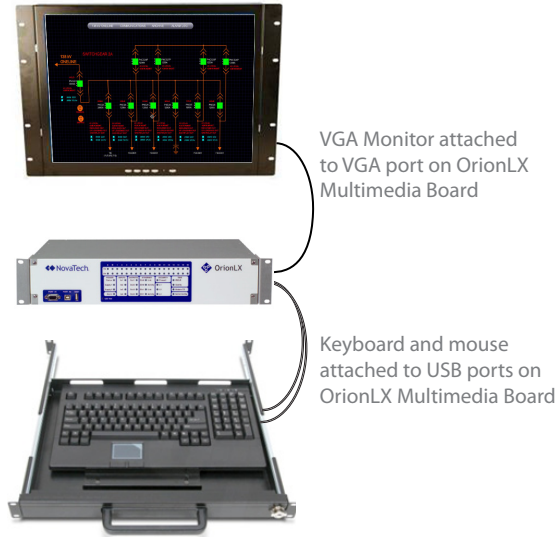
OrionLX Multimedia Board

Direct Video, Third Ethernet Port

Applications for the OrionLX Multimedia Board

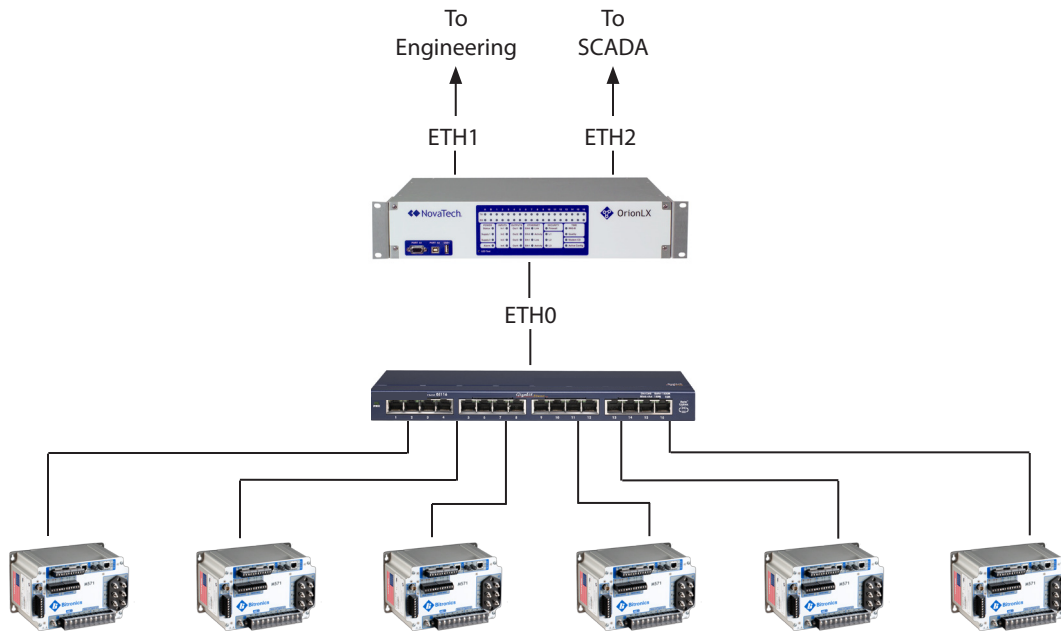
Direct HMI Video

Webpages can be served from the OrionLX and viewed on a VGA terminal attached to the Multimedia Board with keyboard and mouse connected to USB4 and USB5 (or a VGA touchscreen can be connected). HMI alarms can be sent out from the audio port.



Three Independent Ethernet Networks

More stringent security standards are creating the need for three separate, physically independent Ethernet networks to acquire and disseminate substation data. The third (ETH2) port on the Multimedia Board makes this possible.



In this three-network architecture, all networks can support encryption, VPN and firewalling

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