

**Summary of TPS-1700 architectural specifications are as follows:**

- Touchpanel shall be an integrated unit. A separate touchpanel box and touch display unit shall not be accepted.
- Touchpanel must have a minimum resolution of 320x240 pixels; lower resolutions shall not be accepted.
- Touchpanel shall have a 5.7" active matrix LCD display with 64,000-color palette and 16 bit non-palette graphics. Passive matrix displays or touch panels with less than a 64,000 color palette, and not supporting 16 bit non-palette graphics, shall not be accepted.
- Touchpanel and associated programming tools, by same manufacturer, shall provide a native/onboard graphic library supported by a Synapse image rendering algorithm feature, which shall provide for improved/high-resolution graphics (such as native anti-aliased 3D buttons, graphics, and text, with embossed, beveled and fringed features) without the aid of 3<sup>rd</sup> Party graphic development software.
- Touchpanel must support a minimum of 200 modes for each button. Touchpanels with fewer than 200 modes available shall not be accepted.
- Touchpanel must support at least 4000 discrete button channels. Touchpanels that do not support 4000 or more button channels shall not be accepted.
- Touchpanel must support memory of 4MB for flash and 8MB for DRAM. Touchpanels supporting less than said memory shall not be accepted.
- Touchpanel must support graphic animation on a variety of object styles. Touchpanels that are not capable of animation display shall not be accepted.
- Touchpanel shall ten tactile buttons that are programmable and engraveable.
- Touchpanels that must connect to a dedicated low speed proprietary control system network in a master-slave configuration shall not be accepted.