

**Overview:**

Access control technology is one of the key segments within the security market. Typically, a standard PC serves as the engine for these types of systems. In many cases, a single property will have more than one access control system installed, with separate PCs driving each system. In situations such as these, QuadSwitch for VGA may be used to facilitate monitoring of multiple access control PCs using a single data display. This TECHnique describes how this can be done.

**Details:**

Many facilities use multiple access control systems to allow or deny employee access to different areas within a property. As most access control systems are driven by a computer engine, the display outputs are usually provided in VGA format. Rather than assigning separate VGA monitors or data displays to each system, QuadSwitch for VGA enables a single monitor to display the output from up to four systems. This solution greatly decreases equipment expenses, saves space at the monitoring station, and often makes monitoring easier for the individuals assigned to this task. The individual sources can be manually switched for viewing purposes, or displayed automatically at various intervals using the RS-232/GPI port on QuadSwitch.

**Suggestions:**

In addition to the easy-to-use front panel buttons which allow for switching between the four inputs, QuadSwitch for VGA can be controlled by two different remote control options – through an RS-232/422 serial port and/or through a one-to-one contact closure to ground.

A distribution amplifier from Communications Specialties, such as the TwinSplit<sup>®</sup> for VGA, may be connected to the output of the QuadSwitch either to extend the distance that a monitor or display is placed from the unit or to allow more than one monitoring station to receive the output.

**CSI Products Used In This TECHnique:**

- QuadSwitch for VGA ..... 1340
- TwinSplit for VGA..... 1302

**Related TECHniques:**

- T-19 Using QuadSwitch for VGA in a Scientific or Inspection Control Application

