Multi-workstation Computer Access with ATEN’s Matrix Management Software

Case study

Computer Access System

Manufacturing

Italy
Multiple access modes

Exclusive access, occupying while others can still view, shared access or view-only mode.

Secure access
The extra hardware level enhances the security-level.

Touchscreen support

Requirements

- **Virtual matrix management**
The automation PLC can enable / disable someone at one of the 5 workstations to « occupy » the computer for a period of 10 mins at least

- **Scalability**
More workstations can be added when necessary.

- **Secure access**
The main controller (PLC) need to enable / disable each remote console depending on the work center's status.

Benefits

- **Multiple access modes**
Exclusive access, occupying while others can still view, shared access or view-only mode.

- **Secure access**
The extra hardware level enhances the security-level.

- **Touchscreen support**
An Italian SI, who develops and builds CNC-work centers with multiple operator consoles, built a Scada PC with access from 5 different workstations. The workstations needed to be equipped with a touchscreen / keyboard and were allowed exclusive access one at a time.

The Scada PC, where the CCKM KE Matrix Management Software has been installed, enables or restricts access from each workstation during a period of at least 10 mins. An automation PLC manages the ports. This all happens through machine-to-machine communication.
CCKM
KE Matrix Management Software
- Centralized management
- Advanced security and user settings
- Multipoint-to-multipoint connectivity
- Videowall capability up to 8 by 8 displays

KE6900T
KVM over IP Transmitter
- RS-232 support
- USB, DVI-I console
- Up to 1920 x 1200 @60Hz
- Virtual media, microphone, speakers
- Advanced security and user settings

KE6900R
KVM over IP Receiver
- RS-232 support
- USB, DVI-I console
- Up to 1920 x 1200 @60Hz
- Virtual media, microphone, speakers
- Advanced security and user settings