ATEN

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

Manufacturing

Case study

Computer Access System

Italy

Requirements

Benefits

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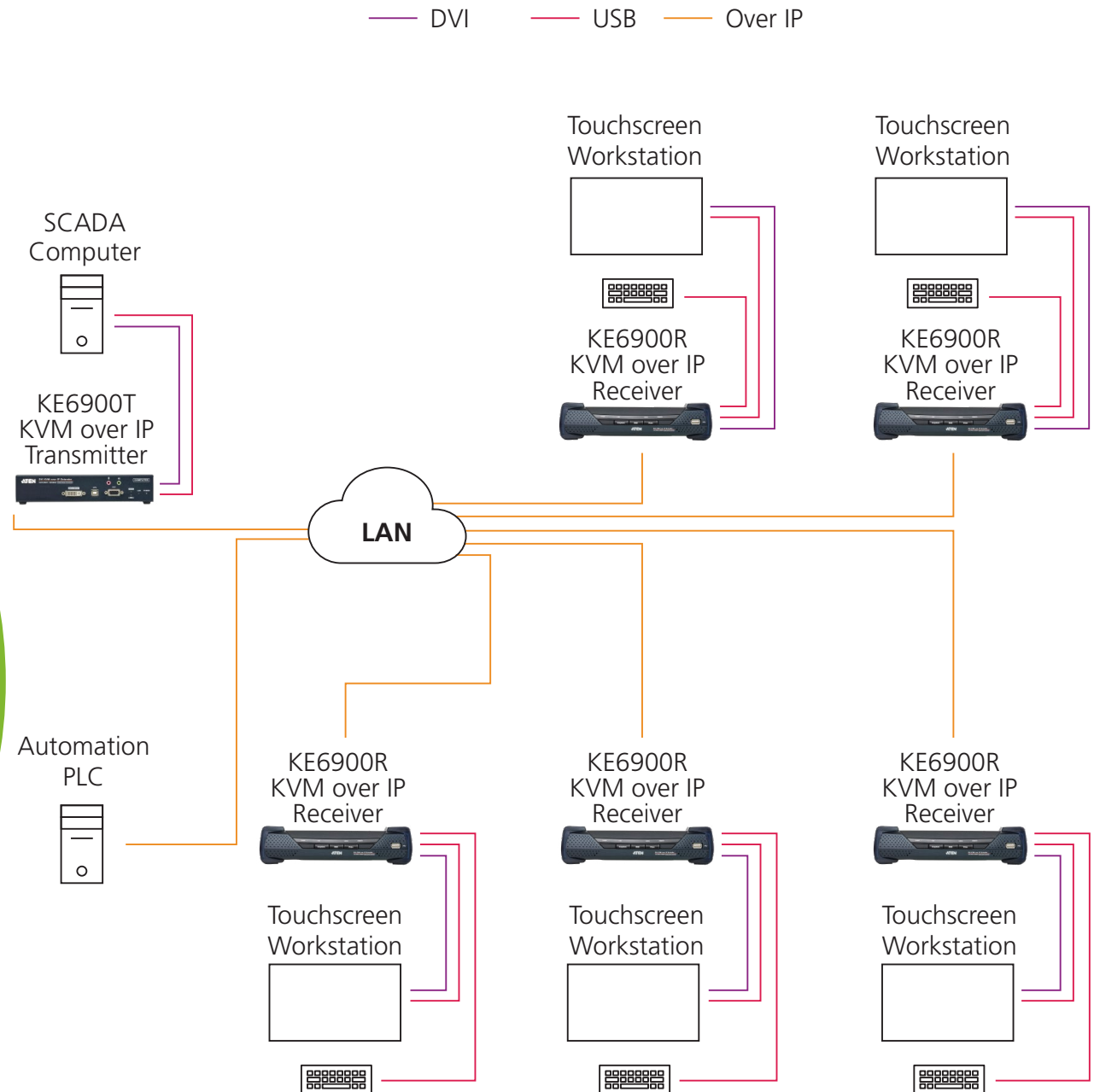
- **Multiple access modes**
  Exclusive access, occupying while others can still view, shared access or view-only mode.

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

- **Touchscreen support**

Connection Diagram

Background

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.

DVI USB Over IP

Touchscreen Workstation

Touchscreen Workstation

KE6900R KVM over IP Receiver

KE6900R KVM over IP Receiver

SCADA Computer

KE6900T KVM over IP Transmitter

LAN

Automation PLC

KE6900R KVM over IP Receiver

KE6900R KVM over IP Receiver

KE6900R KVM over IP Receiver

Touchscreen Workstation

Touchscreen Workstation

Touchscreen Workstation

Products

CCKM
KE Matrix Management Software

- Centralized management
- Advanced security and user settings
- Multipoint-to-multipoint connectivity
- Videowall capability up to 8 by 8 displays

x1

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

x1

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

x5

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