

Building Automation:
TwinCAT Crestron Server

Combining media and building services

Crestron is a manufacturer of AV control systems and provides e.g. components for audio and video technology. Using the TwinCAT Crestron Server supplement, building services from Beckhoff and media technology from Crestron can be combined in a simple way.

Crestron allows the networking of independent individual systems such as audio and video, but also of alarm and building control systems. This enables various different components to be concentrated on a uniform user interface and be made available to the user by means of intelligent visualization. The TwinCAT Supplement "TwinCAT Crestron Server" enables communication between a TwinCAT PLC and a Crestron control center. The two systems are linked via Ethernet, based on the TCP/IP protocol. User macros for SIMPL are available for programming the Crestron controller. The required function blocks are included in the TwinCAT PLC library. Read and write access to the other device is available from the Crestron controller and the TwinCAT PLC. The TwinCAT Crestron Server supports all PC-based controllers under Windows CE, Windows XP Embedded and Industrial PCs running Windows XP.

TwinCAT Crestron Server can be applied wherever increased demands are made on the interaction of media and building control systems, e.g. in conference rooms, lecture halls or also in private homes. Although two different systems are being used, the building and media processes can be started at the touch of a button. During a presentation in a conference room, the press of a button suffices to e.g. start the projector, switch on the DVD player, lower the blinds and dim the light. When leaving home, it is just as easy to turn out the light, lower the temperature and switch off the CD player.

www.beckhoff.com/TwinCAT-Crestron-Server

