**SECTION 27 41 16**

**INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT**

**GUIDE SPECIFICATION**

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*Specifier: Please see PART 4 for a listing of products specified in this Guide Specification.*

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# **GENERAL**

*NOT USED in this Guide Specification. Specifier shall Specify PART 1 administrative and procedural requirements as needed.*

# **PRODUCTS**

## **AV Control Processor Type 2**

### Basis of Design Control Processor

#### Crestron CP4N

*Specifier Note: The CP4N adds a control subnet port to the standard CP4.*

#### Crestron CP4

### Control Processor

*Unit shall include a built-in control processor with onboard control ports for control of external devices.*

#### Control Ports- The control system shall be equipped with the following external connection ports:

##### Eight IR ports

##### Three RS-232 COM ports

##### Eight Relay ports

##### Eight Digital Input Output ports

#### Native BACnet/IP

*Specifier: A free license for 50 BACnet objects is available for the CP4(N). The CP4(N) processor may be upgraded to support a maximum of 2000 BACnet IP objects.*

##### Number of BACnet objects supported: 2000

*Specifier Note: A BACnet and IP license is required. A free license is available to support up to 50 BACnet objects on a single 4-Series control system. Enabling support for more than 50 BACnet objects requires the purchase of one SW-3SERIES-BACNET-50+ license. The CP4N supports a maximum of 2000 BACnet objects when dedicated for BACnet use only.*

#### The built-in control processor shall support customizable control of integrated AV devices, room lighting hardware, window shades, and projection screens.

#### Controller shall include the following onboard network ports:

##### Ethernet

##### Dedicated Control Subnet

*Specifier Note:*

*Only the CP4N version includes a built-in control subnet network port.*

##### RS-422 type network control bus

#### The controller shall support a network management system by the same manufacturer, supporting overall remote system controlling, monitoring, and managing through network computers and mobile devices.

#### The controller shall support touch screens, keypads, and wireless remotes and mobile device Apps from the same manufacturer.

# **EXECUTION**

*NOT USED in this Guide Specification. Specifier shall Specify PART 3 On-Site work as needed.*

# **APPENDICES**

## **SPECIFIED PRODUCTS**

*Specifier Note: This Article includes Crestron products specified in this Guide Specification document. This Article is for reference only and should not be required in actual project manual unless included in an overall system equipment list.*

### Crestron CP4

### Crestron CP4N